

JVC

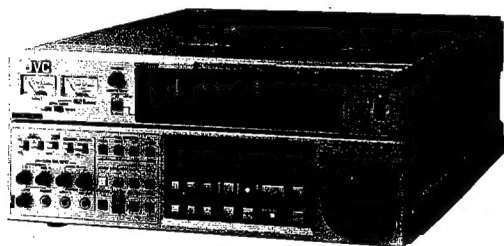
SERVICE MANUAL

VIDEO CASSETTE RECORDER

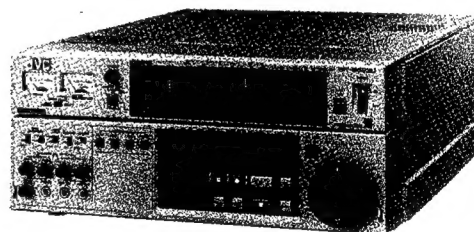
[SUPPLEMENT]

BR-S822U/BR-S622U/BR-S522U/ BR-S525U

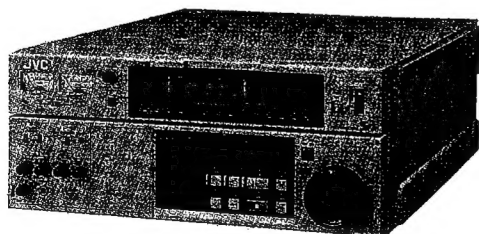
— BR-S822U —



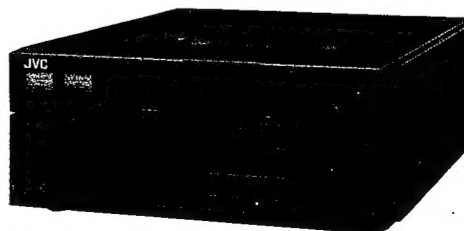
— BR-S622U —



— BR-S522U —



— BR-S525U —



SVHS **S**VHS **VHS** **VHS** *Hi-Fi*

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Important Safety Precautions

Prior to shipment from the factory, JVC products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

● Precautions during Servicing

1. Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.

2. Parts identified by the  symbol and shaded (■) parts are critical for safety.

Replace only with specified part numbers.

Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

3. Fuse replacement caution notice.
Caution for continued protection against fire hazard.
Replace only with same type and rated fuse(s) as specified.

4. Use specified internal wiring. Note especially:

- 1) Wires covered with PVC tubing
- 2) Double insulated wires
- 3) High voltage leads

5. Use specified insulating materials for hazardous live parts. Note especially:

- | | | |
|--------------------|--------------------------------------|------------|
| 1) Insulation Tape | 3) Spacers | 5) Barrier |
| 2) PVC tubing | 4) Insulation sheets for transistors | |

6. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.

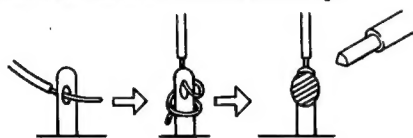


Fig. 1

7. Observe that wires do not contact heat producing parts (heat-sinks, oxide metal film resistors, fusible resistors, etc.)

8. Check that replaced wires do not contact sharp edged or pointed parts.

9. When a power cord has been replaced, check that 10–15 kg of force in any direction will not loosen it.

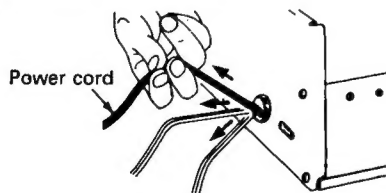


Fig. 2

10. Also check areas surrounding repaired locations.

11. Products using cathode ray tubes (CRTs)

In regard to such products; the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission. Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the specified parts. Under no circumstances attempt to modify these circuits. Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

12. Crimp type wire connector

In such cases as when replacing the power transformer in sets where the connections between the power cord and power transformer primary lead wires are performed using crimp type connectors, if replacing the connectors is unavoidable, in order to prevent safety hazards, perform carefully and precisely according to the following steps.

1) **Connector part number :** E03830-001

2) **Required tool :** Connector crimping tool of the proper type which will not damage insulated parts.

3) **Replacement procedure**

(1) Remove the old connector by cutting the wires at a point close to the connector.

Important : Do not reuse a connector (discard it).

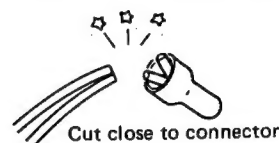


Fig. 3

(2) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.

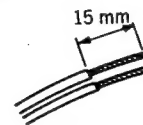


Fig. 4

(3) Align the lengths of the wires to be connected. Insert the wires fully into the connector.

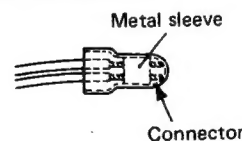


Fig. 5

(4) As shown in Fig. 6, use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.

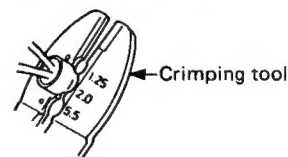


Fig. 6

(5) Check the four points noted in Fig. 7.

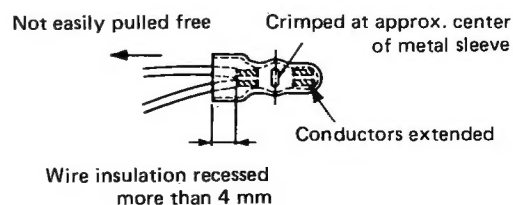


Fig. 7

● Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions. Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

1. Insulation resistance test

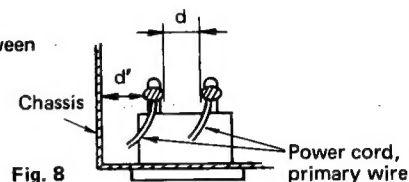
Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

2. Dielectric strength test

Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

3. Clearance distance

When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table 1 below.

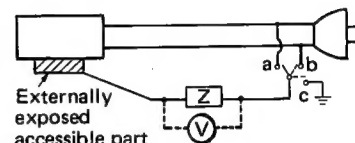


4. Leakage current test

Confirm specified or lower leakage current between earth ground/power cord plug prongs and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).

Measuring Method: (Power ON)

Insert load Z between earth ground/power cord plug prongs and externally exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure 9 and following table 2.

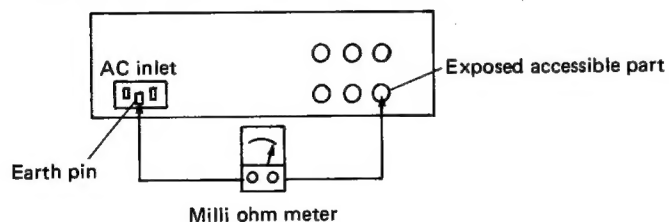


5. Grounding (Class I model only)

Confirm specified or lower grounding impedance between earth pin in AC inlet and externally exposed accessible parts (Video in, Video out, Audio in, Audio out or Fixing screw etc.).

Measuring Method:

Connect milli ohm meter between earth pin in AC inlet and exposed accessible parts. See figure 10 and grounding specifications.



Grounding Specifications

| Region | Grounding Impedance (Z) |
|--------------------|--------------------------|
| USA & Canada | $Z \leq 0.1 \text{ ohm}$ |
| Europe & Australia | $Z \leq 0.5 \text{ ohm}$ |

| AC Line Voltage | Region | Insulation Resistance (R) | Dielectric Strength | Clearance Distance (d), (d') |
|------------------------------|--------------------|------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| 100 V | Japan | $R \geq 1 \text{ M}\Omega / 500 \text{ V DC}$ | AC 1 kV 1 minute | $d, d' \geq 3 \text{ mm}$ |
| 100 to 240 V | | | AC 1.5 kV 1 minute | $d, d' \geq 4 \text{ mm}$ |
| 110 to 130 V | USA & Canada | — | AC 900 V 1 minute | $d, d' \geq 3.2 \text{ mm}$ |
| 110 to 130 V 200 to 240 V | Europe & Australia | $R \geq 10 \text{ M}\Omega / 500 \text{ V DC}$ | AC 3 kV 1 minute (Class II) AC 1.5 kV 1 minute (Class I) | $d \geq 4 \text{ mm}$ $d' \geq 8 \text{ mm}$ (Power cord) $d' \geq 6 \text{ mm}$ (Primary wire) |

Table 1 Specifications for each region

| AC Line Voltage | Region | Load Z | Leakage Current (i) | a, b, c |
|------------------------------|--------------------|---------------------------------------------------------|----------------------------------------------------------|--------------------------|
| 100 V | Japan | $1 \text{ k}\Omega$ | $i \leq 1 \text{ mA rms}$ | Exposed accessible parts |
| 110 to 130 V | USA & Canada | $0.15 \mu\text{F}$ in series with $1.5 \text{ k}\Omega$ | $i \leq 0.5 \text{ mA rms}$ | Exposed accessible parts |
| 110 to 130 V 220 to 240 V | Europe & Australia | $2 \text{ k}\Omega$ | $i \leq 0.7 \text{ mA peak}$ $i \leq 2 \text{ mA dc}$ | Antenna earth terminals |
| | | $50 \text{ k}\Omega$ | $i \leq 0.7 \text{ mA peak}$ $i \leq 2 \text{ mA dc}$ | Other terminals |

Table 2 Leakage current specifications for each region

Note: These tables are unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

SECTION 1 GENERAL DESCRIPTION

1.1 DETAIL OF ALTERATIONS

Recent products of the BR-S822U/BR-S622U/BR-S522U/BR-S525U have undergone alteration in the mechanism assembly and the FM AUDIO circuit for improvement of the workability and reliability.

The following table shows changes in the main parts with the serial numbers that are subject to the alterations of this time. For changes in exploded views and parts list, refer to the SECTION 5.

Note : This service manual mentions the parts that are changed this time and the replacing procedure of them, etc. Therefore, use this service manual together with the service manuals issued for the respective models.

Service manual No.9246C : BR-S822U, BR-S622U, BR-S522U

Service manual No.9272 : BR-S525U

| | | BR-S822U BR-S622U | BR-S522U | BR-S525U |
|---------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------|--------------------------------|
| Change in mechanism assembly | Main deck | Main deck used in BR-S800/BR-S500 serves in common. | | |
| | Pinch roller solenoid | Peripheral parts of pinch roller, loading motor, etc. are changed. (to improve maintenance efficiency). | | |
| | A/C head | Peripheral parts are changed to reduce off azimuth of A/C head after adjustment. | | |
| | Full erase head | Head base is added with change of main deck. | | |
| | Tension release solenoid | Removed | | |
| | M-CTL/REEL SERVO board assembly | Change of software with removal of tension release solenoid.*1 | | |
| | | IC1: Change to PGD30241C-10-9 | | IC1: Change to PGD30241C-11-13 |
| DECK TERMINAL board assembly | Some parts are removed with removal of tension release solenoid. (CN103, CN104, D101, D102) | | | |
| Change in audio circuit | MOTHER-1 board assembly | PRK10113F-01 | PRK10113B-01 | PRK10149D |
| | MOTHER-2 board assembly | PRK10111F-01 | PRK10111B-02 | PRK10111D-02 |
| | AUDIO-3 board assembly | PRK10115A | PRK10115C | |
| | FM AUDIO PRE/REC AMP board assembly | Removed | | |
| | AVM/ONSC board assembly | PRK20089E | | |

*1: The new software is programmed to avoid tape creep by reducing tape tension when the MENU No. 308/309 (LONG PAUSE) is set to "T.RELEASE".

Table 1-1 Changes in main parts

| | BR-S822U | BR-S622U | BR-S522U | BR-S525U |
|--------------------|----------|----------|----------|----------|
| MECHANISM assembly | #3601- | #3401- | #0601- | #1031- |
| AUDIO circuit | #3291- | #3151- | #0401- | #0931- |

Table 1-2 Serial numbers subject to changes by model

SECTION 2 MECHANISM ADJUSTMENT

2.1 CHANGES IN MECHANISM ASSEMBLY

In regard of the mechanism assembly, the mechanism used in the BR-S800U/BR-S500U is partially used in the 22 series, too, in order to improve workability in replacing parts such as the loading motor, pinch roller, etc.

The following table shows the main parts of the mechanism assembly with their standard replacement time.

The parts that are changed this time are shaded in the table.

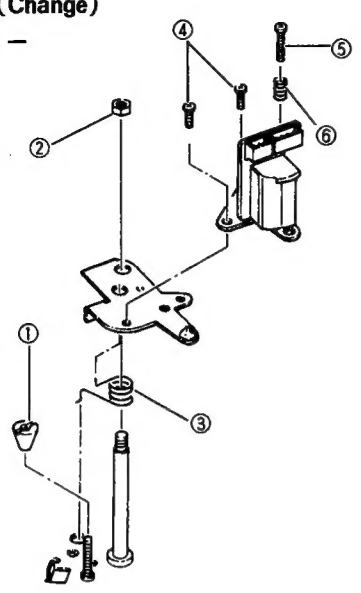
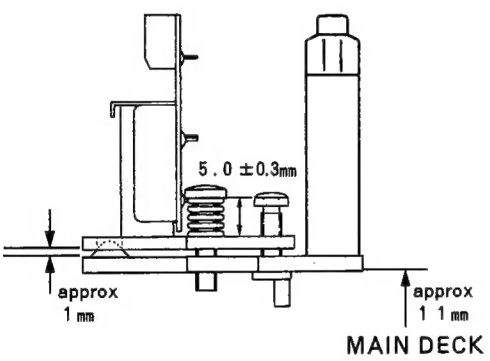
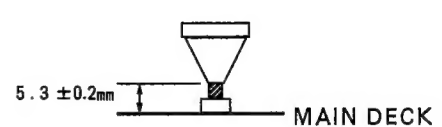
Besides them, the tension release solenoid and parts related to it are removed in the 22 series. For detail of the exploded view and part numbers, etc., refer to the exploded view in the SECTION 5 and parts list.

| | No. | Part Name | Part Number | Standard service period | | | | Description |
|-----------------------|-----|-------------------------|----------------------------|-------------------------|------|------|------|--------------------------------------------------------------------------------------------------------------------------------|
| | | | | 1000 | 2000 | 3000 | 4000 | |
| Tape transport system | ① | Supply guide shaft | — | ★ | ★ | ★ | ★ | — |
| | ② | Tension arm ass'y | PRD44024B-02 | ★ | ★ | ★ | ● | Refer to the service manual issued before this. |
| | ③ | Supply guide roller | PRD43721A | | | | | |
| | ④ | Full erase head | PGZ01841 | | | | | Addition of head base. |
| | ⑤ | Supply pole base ass'y | PRD30821E | | | | | |
| | ⑥ | Supply inertia roller | PGZ01667 | | | | | Refer to the service manual issued before this. |
| | ⑦ | Take-up inertia roller | PGZ01667-02 | | | | | |
| | ⑧ | Take-up pole base ass'y | PRD30864B | | | | | Removing procedure changes with change of A/C head. |
| | ⑨ | A/C head | PGZ01840 | | | | | Change of head arm shape. |
| | ⑩ | Take-up guide pole | PRD44151A-01 | | | | | |
| | ⑪ | Guide arm roller ass'y | PRD43404D-04 | | | | | Refer to the service manual issued before this. |
| | ⑫ | Capstan shaft | — | ★ | ★ | ★ | ★ | |
| | ⑬ | Pinch roller arm ass'y | PRD43387A-01 | ○ | ● | ○ | ● | Removing and reinstalling procedures change. |
| | ⑭ | Drum ass'y | PDV2272D | ★ | ★ | ○ | ● | Refer to the service manual issued before this. |
| | ⑮ | Upper drum ass'y | PRD20380D | ● | ● | ● | (●) | Note : Carefully remove the drum assembly since there is wiring to the lower drum at the back of the main deck. |
| Drive system | ⑯ | Capstan motor | PGZ01535-01-01 | | | | ● | With change of assembling way, shape of motor bracket assembly, part numbers of solenoid assembly and other parts are changed. |
| | ⑰ | Reel motor | PGZ01541A-04 | | | | ● | |
| | ⑱ | Loading motor | PRD44123A | | | | ● | |
| | ⑲ | Loading belt | PRD30022-17 PRD30022-18 | ● | ● | ● | ● | |
| | ⑳ | Cassette motor | PQ45489A | | | | ● | Refer to the service manual issued before this. |
| | ㉑ | Supply main brake | PRD43388A-02 | | ● | | ● | |
| | ㉒ | Take-up main brake | PRD43395A-02 | | ● | | ● | |
| | ㉓ | Take-up sub brake | PRD43479A-01 | | ● | | ● | |
| Others | ㉔ | Brush ass'y (A)/(B) | PRD43986A/B | | ● | | (●) | |
| | ㉕ | Slip ring ass'y | PGZ01872 | ○ | ● | ○ | (●) | |
| | ㉖ | Head cleaner | PRD40510-01-02 | ● | ● | ● | ● | — |

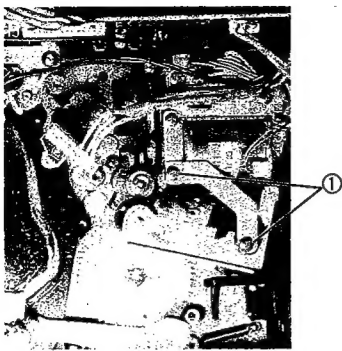
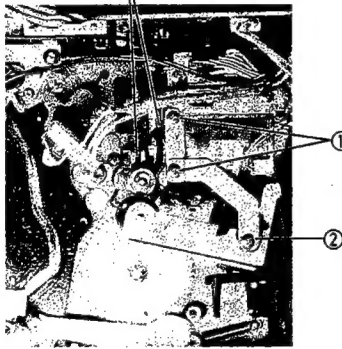
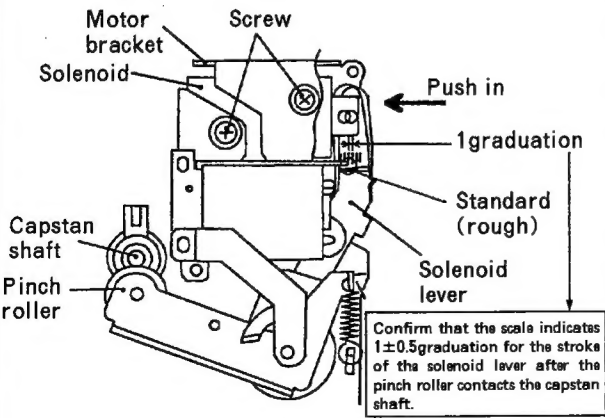
★ =Cleaning. ○ =Check and Replace if necessary, or Check and Clean.

● =Replacement. (●)=Included in Drum assy.

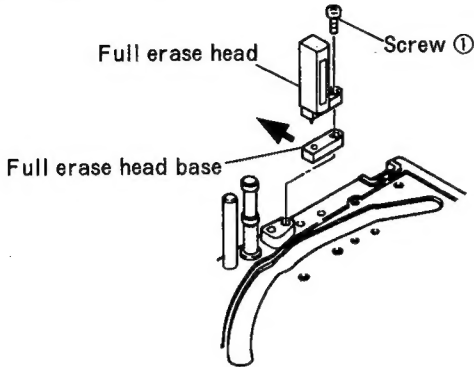
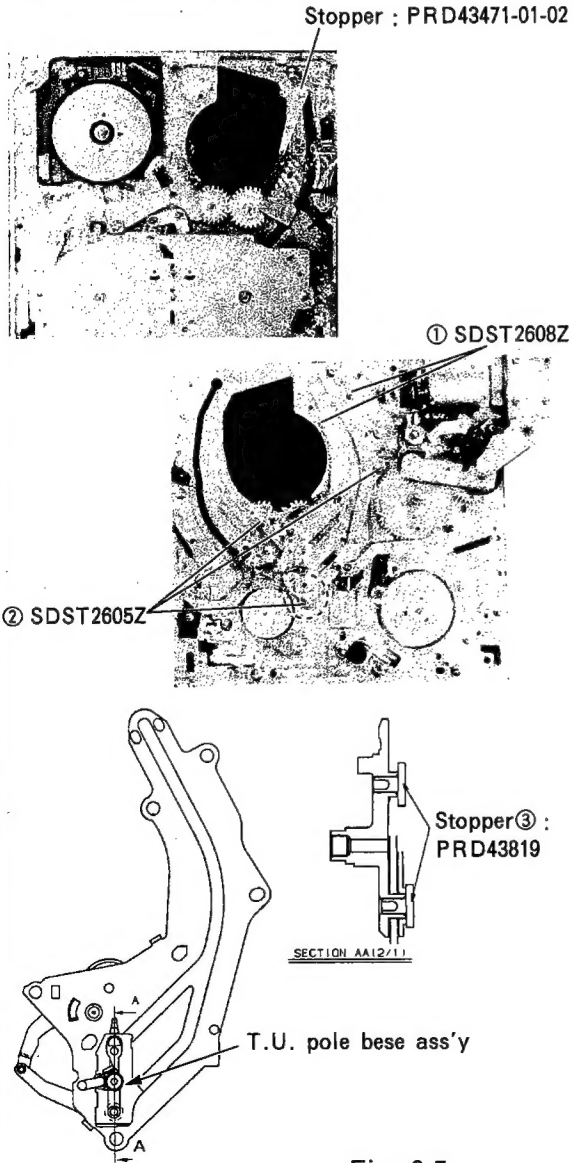
Note : This service manual mentions the parts that are changed this time and the replacing procedure of them, etc.
Therefore, use this service manual together with the service manuals issued for the respective models.

| No. | Item | Adjustment and Check |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <p>A/C head (Change) — Removal —</p>  <p style="text-align: center;">Fig. 2-1</p> | <p>(1) Tools to prepare: • Ordinary screwdriver (—) • Nut driver : 5.5mm</p> <p>(2) Disconnect the connectors from the A/C HEAD board.</p> <p>(3) Remove the taper nut ① for X-value adjustment.</p> <p>(4) Remove the nut ② and then remove the A/C head together with the head base with care not to lose the spring ③.</p> <p>(5) Remove two screws ④ and a screw ⑤ to remove the A/C head. At that time pay careful attention to the spring ⑥ not to lose it.</p> <p>(6) Unsolder the A/C HEAD board and replace the A/C head with new one.</p> |
| | <p>— Reinstallation —</p>  <p style="text-align: center;">Fig. 2-2</p> | <p>(1) Before assembling the A/C head to the main deck, conduct rough adjustment of the head height as shown in Fig. 2-2.</p> <p>(2) Assemble the A/C head and its peripheral parts to the main deck in the reverse order of the disassembly.</p> <p>(3) When fitting the taper nut, temporarily adjust the height as shown in Fig. 2-3.</p> <div style="text-align: center;">  <p>Fig. 2-3</p> </div> |
| | <p>— Check and adjustment —</p> <pre> graph TD START([START]) --> A[2.6.4 A/C head adjustment] A --> B[2.7.1 Tape transport check] B --> C[2.6.2 FM waveform check] C --> D[2.6.5 X-value adjustment] D --> E[3.1.2 or 3.2.5 N.audio PB level] E --> FINISH([FINISH]) </pre> | <p>Note: <i>Before confirming normal tape transport, do not use any alignment tape to prevent it from damage. Make sure to check tape transport with an ordinary recording tape beforehand.</i></p> <pre> graph TD F1[3.1.3 or 3.2.6 N.audio frequency response] --> F2[3.1.5 N.audio REC level*] F2 --> F3[3.1.6 N.audio REC frequency response*] F3 --> F4[3.1.9 N.audio cross talk cancel*] F4 --> FINISH([FINISH]) </pre> <p>* BR-S522U/BR-S525U need not these adjustments.</p> |

Note : This service manual mentions the parts that are changed this time and the replacing procedure of them, etc.
Therefore, use this service manual together with the service manuals issued for the respective models.

| No. | Item | Adjustment and Check |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2 | <p>Pinch roller arm assembly (Change)</p>  <p>Fig. 2-4</p> | <p>Note: Proceed to do the following work in the Assembly mode (see 2.4.1).</p> <ol style="list-style-type: none"> (1) Remove the noise shutter. (BR-S525U only) Note: When installing the noise shutter to the pinch roller assembly, make sure to set the pinch roller assembly to downmost position or remove it. (2) Remove two screws ① and lift the pinch roller arm assembly upward to remove it. (3) When reinstalling, do it so as to position the cam of the pinch roller assembly on the rail of the solenoid bracket in the assembly mode. (4) Assemble the noise shutter to the pinch roller arm assembly. (BR-S525U only) |
| 3 | <p>Mode motor (Change)</p>  <p>Fig. 2-5</p> | <ol style="list-style-type: none"> (1) Disengage the belt from the motor pulley. (2) Remove two screws ① and one screw ②, then detach the mode motor together with the motor bracket. (3) Remove two screws fixing the mode motor to the motor bracket to detach the motor from the bracket. (4) Unsolder wires and remove the motor from the board. |
| 4 | <p>Pinch roller solenoid position (Addition)</p>  <p>Fig. 2-6</p> | <ol style="list-style-type: none"> (1) Turn the mode motor in the direction of loading (toward the rear side) to set the mechanism in the loading end state. (2) Turn the mode motor further in the same direction (rearward) to move the pinch roller arm to the downmost position. (3) Press down the solenoid lever moreover while checking that the reading of the stroke from the step (2) to the moreover pressed point is 1 ± 0.5 graduation on the scale located on the solenoid lever. (4) When reading is out of 1 ± 0.5 graduation, loosen the two screws and adjust the solenoid position. |

Note : This service manual mentions the parts that are changed this time and the replacing procedure of them, etc.
Therefore, use this service manual together with the service manuals issued for the respective models.

| No. | Item | Adjustment and Check |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5 | <p>Full erase head (Addition)</p>  <p>Full erase head</p> <p>Screw ①</p> <p>Full erase head base</p> <p>Fig. 2-4</p> | <ol style="list-style-type: none"> (1) Remove one screw ①. (2) Disconnect wires from the full erase head and then lift the full erase head for removing. (3) Fix the full erase head and the full erase head base to the main deck with the screw ① as shown in the figure. (4) Check that the full erase head and the base are firmly fixed to the main deck. (5) If the full erase head is in unstable setting, slide the full erase head in the direction of the arrow (away from the drum assembly) and fix it again. |
| 6 | <p>Pole base assembly (Change)</p>  <p>Stopper : PRD43471-01-02</p> <p>① SDST2608Z</p> <p>② SDST2605Z</p> <p>Stopper③ : PRD43819</p> <p>SECTION A-A/2/1.1</p> <p>T.U. pole base ass'y</p> <p>Fig. 2-5</p> | <ol style="list-style-type: none"> (1) Remove the mechanism ass'y (see 2.3.8). (2) Remove two stoppers ③ and lift the pole base assembly for removing with care of the collar between the pole base and stopper not to lose it. (3) Supply pole base <ol style="list-style-type: none"> ① Turn the loading motor counterclockwise to set the mechanism to the loading end position. ② After removing the stopper, lift the pole base ass'y upward while removing it. (4) Take-up pole base <ol style="list-style-type: none"> ① Remove the A/C head ass'y. ② Remove two screws ① and three screws ②, then take the T.U. loading ass'y away. When removing the screws ②, be careful not to lose spacer. ③ Remove two stoppers ③ and lift the pole base ass'y upward to remove it. (5) For installing the T.U. loading assy pay careful attention to the item No.2 of "2.4 Assembling of Mechanism". (6) After replacing the TU pole base, check the following items. <ol style="list-style-type: none"> ① A/C head adjustment (see 2.6.4). ② Tape transport check (see 2.7.1). ③ FM waveform check (see 2.6.2). |

SECTION 3 ELECTRICAL ADJUSTMENT

With the change that the FM AUDIO PRE/REC AMP board is incorporated in the AUDIO-3 board, adjustment procedure of the audio circuit is changed to as mentioned below.

Therefore, for adjusting the audio circuit with the new AUDIO-3 board (PRK10115) refer to the procedure mentioned below, while for adjusting the circuit with the old board (PRK10062) refer to the service manual issued previously.

3.1 AUDIO CIRCUIT (BR-S822U/BR-S622U)

Note • All adjustment values are balanced values with 600Ω resistance.

• Turn off the MEMORY switch No.201 (DOLBY NR) unless otherwise indicated.

• When using an oscilloscope for observing waveforms, etc., use the 10:1 probe.

| No. | Item | Check point | Adjustment | Signal | Mode | Check and Adjustment | | | | | | |
|-----------------|-----------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|--------|------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | AUDIO REC LEVEL VR setting & AUDIO LEVEL METER adjustment | HiFi AUDIO OUT (600Ω terminator) | R87 : 2E (Lch) R88 : 2E (Rch) (AUDIO-2) | 1kHz/ -6dBs ↓ HiFi AUDIO IN | E-E | 1) Set the AUDIO MONITOR switch to the "Hi-Fi" position. 2) Adjust output level at the HiFi AUDIO output terminal to be -6.0dBs with the HiFi REC LEVEL VR. <div>Note For the following adjustment, leave the Hi-Fi AUDIO REC LEVEL VR as it is set in the step 2).</div> 3) Reading the AUDIO LEVEL METER head-on, adjust R87(L-ch) and R88(R-ch) so that the meter reads 0.0dB respectively. | | | | | | |
| | | N. AUDIO OUT (600Ω terminator) | - | 1kHz/ -6dBs ↓ N. AUDIO IN | E-E | 1) Set the AUDIO MONITOR switch to the "NORM" position. 2) Adjust output level at the N.AUDIO output terminal to be -6.0dBs with the N.AUDIO REC LEVEL VR. <div>Note For the following adjustment, leave the N.AUDIO REC LEVEL VR as it is set in the step 2).</div> 3) Read the AUDIO LEVEL METER head-on while confirming that the pointer indicates 0.0±0.5dB. Note: Confirm that level difference between R and L channels is within 0.5dB. | | | | | | |
| 2 | Normal Audio playback level | N. AUDIO OUT (600Ω terminator) | R25 : 7E (Lch) R26 : 5E (Rch) (AUDIO-1) <div>Playback level : -6.0dBs</div> | MBA | PB | 1) Make sure of the MEMORY switch No.201 (DOLBY NR) being set to "OFF". 2) Adjust R25(L-ch) and R26(R-ch) so that each output level is -6.0dBs. Note: Adjust the TRACKING VR to the best tracking position. <div>Note Confirm that the meter pointer does not overshake in the Search FWD/ REV mode.</div> | | | | | | |
| 3 | Normal Audio playback frequency response | N. AUDIO OUT (600Ω terminator) | R125 : 6B (Lch) R126 : 5C (Rch) (AUDIO-1) <div>- Rated frequency response -<table><tr><td>400Hz</td><td>100Hz</td><td>10kHz</td></tr><tr><td>0dB (Reference)</td><td>-0.5±2.0dB</td><td>+1.8dB</td></tr></table></div> | 400Hz | 100Hz | 10kHz | 0dB (Reference) | -0.5±2.0dB | +1.8dB | MH-6 | PB | 1) Make sure of the MEMORY switch No.201 (DOLBY NR) being set to "OFF". 2) With the alignment tape MH-6, confirm that playback level of the 100Hz signal is -0.5dB as against playback level of the 400Hz signal. 3) With the same tape used, adjust R125(L-ch) and R126(R-ch) so that playback level of the 10kHz signal is +1.8dB compared with that of the 400Hz signal. Note: Adjust the TRACKING VR to the best tracking position. |
| 400Hz | 100Hz | 10kHz | | | | | | | | | | |
| 0dB (Reference) | -0.5±2.0dB | +1.8dB | | | | | | | | | | |

Note • All adjustment values are balanced values with 600Ω resistance.

• Turn off the MEMORY switch No.201 (DOLBY NR) unless otherwise indicated.

| No. | Item | Check point | Adjustment | Signal | Mode | Check and Adjustment |
|-----|------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4 | Audio bias frequency & level | TP5 : 9C (AUDIO-1) ↓ Frequency counter | L405 : 11D (AUDIO-1) TP5 : 70±3kHz | No input signal | REC S-VHS | 1) Adjust frequency at TP5 to be 70kHz. |
| | | TP5 : 9C (Lch) TP6 : 4A (Rch) (AUDIO-1) ↓ Oscilloscope | T401 : 10G (Lch) T402 : 11E (Rch) (AUDIO-1) TP5,TP6 : Maximum | No input signal | REC S-VHS | 2) Turn R425 and R426 on the AUDIO1 board full clockwise. In this condition, adjust T401(L-ch) and T402(R-ch) to maximize bias oscillation respectively. (more than 80Vp-p) |
| | | | R425 : 10G (Lch) R426 : 10E (Rch) (AUDIO-1) TP5,TP6 : 65Vp-p | No input signal | REC S-VHS | 3) Adjust R425 (L-ch) and R426 (R-ch) to obtain 65Vp-p as respective bias levels. <i>Note: The above bias levels may be readjusted later in the Item No.6.</i> |
| | | | R455 : 11F (Lch) R456 : 12F (Rch) (AUDIO-1) Bias level : 52Vp-p | No input signal | REC VHS | 4) Perform recording without signal input in the VHS mode. 5) Adjust R455(L-ch) and R456(R-ch) to obtain 52Vp-p as respective bias levels. <i>Note: The above bias levels may be readjusted later in the Item No.6.</i> |
| 5 | Normal Audio REC/PB | N. AUDIO OUT (600Ω terminator) | R7 : 8F (Lch) R8 : 6F (Rch) (AUDIO-1) Playback level : -6.0±0.5dBs | 1kHz/-6dBs ↓ N. AUDIO IN | REC VHS ↓ PB | 1) Record the 1kHz/-6dBs signal and play it back. 2) Confirm that the playback level is -6.0±0.5dBs on R and L channels respectively (level difference between channels must be within 0.5dB.). 3) When playback level is out of the the specifications, roughly adjust R7(L-ch) or R8(R-ch), and repeat the above steps 1) and 2) until the adjustment brings satisfactory result. |
| | | | - Playback level : -5.5±1.0dBs | 1kHz/-6dBs ↓ N. AUDIO IN | REC S-VHS ↓ PB | 4) Record the 1kHz/-6dBs signal and play it back. 5) Confirm that the playback level is -5.5±1.0dBs. |

Note • All adjustment values are balanced values with 600Ω resistance.

• Turn off the MEMORY switch No.201 (DOLBY NR) unless otherwise indicated.

| No. | Item | Check point | Adjustment | Signal | Mode | Check and Adjustment |
|-----|---------------------------------------------|---------------------------------------------------|------------|--------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6 | Normal audio PB frequency response (REC/PB) | N. AUDIO OUT (600Ω terminator) | — | 1kHz, 10kHz/ —26dBs ↓ N. AUDIO IN | REC S-VHS ↓ PB | 1) Make sure of MEMORY switch No.201(DOLBY NR) being set to "OFF". 2) Record the 1kHz and 10kHz signals, and play them back. 3) Confirm that playback level of the 10kHz signal is $-0.5 \pm 0.5\text{dB}$ as against that of the 1kHz signal. 4) If not, fine adjust the bias levels explained in the previous item, No.4. (a) If the level of the 10kHz signal is higher than the specifications, raise the bias level according to the step 3) of the Item No.4. (b) If the level of the 10kHz signal is lower than the specifications, decline the bias level according to the same step. 5) After the bias adjustment, repeat the steps 2) and 4) to meet the specifications. |
| | | - Rated frequency response - (S-VHS NR: "OFF") | | | | |
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| | | | | | | |
| 6 | Normal audio PB frequency response (REC/PB) | N. AUDIO OUT (600Ω terminator) | — | 1kHz, 12kHz/ —26dBs ↓ N. AUDIO IN | REC S-VHS ↓ PB | 6) Set the NR switch to "ON", and record the 1kHz and 12kHz signals and play them back. 7) Confirm that playback level of the 12kHz signal is $0.0 \pm 2.5\text{dB}$ as against that of the 1kHz signal (level difference between R and L channels must be within 3.0dB). 8) Return the NR switch to "OFF" position. |
| | | - Rated frequency response - (S-VHS NR: "ON") | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 6 | Normal audio PB frequency response (REC/PB) | N. AUDIO OUT (600Ω terminator) | — | 1kHz, 10kHz/ —26dBs ↓ N. AUDIO IN | REC VHS ↓ PB | 9) Record the 1kHz and 10kHz signals, and play them back. 10) Confirm that playback level of the 10kHz signal is $-0.5 \pm 0.5\text{dB}$ as against that of the 1kHz signal. 11) If not, fine adjust the bias levels explained in the previous item, No.4. (a) If the level of the 10kHz signal is higher than the specifications, raise the bias level according to the step 5) of the Item No.4. (b) If the level of the 10kHz signal is lower than the specifications, decline the bias level according to the same step. 12) After the bias adjustment, repeat the steps 9) and 10) to meet the specifications. |
| | | - Rated frequency response - (VHS NR: "OFF") | | | | |
| | | | | | | |
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| | | | | | | |
| | | | | | | |
| 6 | Normal audio PB frequency response (REC/PB) | N. AUDIO OUT (600Ω terminator) | — | 1kHz, 12kHz/ —26dBs ↓ N. AUDIO IN | REC VHS ↓ PB | 13) Set the NR switch to "ON", and record the 1kHz and 12kHz signals and play them back. 14) Confirm that playback level of the 12kHz signal is $0.0 \pm 2.5\text{dB}$ as against that of the 1kHz signal (level difference between R and L channels must be within 3.0dB). 15) Return the NR switch to "OFF" position. |
| | | - Rated frequency response - (VHS NR: "ON") | | | | |
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| | | | | | | |
| | | | | | | |

Note • All adjustment values are balanced values with 600Ω resistance.

• Turn off the MEMORY switch No.201 (DOLBY NR) unless otherwise indicated.

| No. | Item | Check point | Adjustment | Signal | Mode | Check and Adjustment |
|-----|---------------------------------------------|------------------------------------------------|----------------------|-----------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7 | Full erase frequency | TP403 : 9A (AUDIO-1) ↓ Frequency counter | T405 : 9A (AUDIO-1) | No input signal | REC VHS | 1) Adjust T405 so that frequency at TP403 becomes 70kHz. <div>TP403 : 70 ± 6kHz</div> |
| 8 | BR-S822U Audio insert erase voltage | TP401 : 9B (AUDIO-1) ↓ Oscilloscope | T403 : 11C (AUDIO-1) | No input signal | AUD-1 INSERT VHS | 1) Perform the AUD-1 insert editing. 2) Adjust T403 to maximize erase level at TP401 (more than 200mVp-p). <i>Note: After this adjustment, repeat the AUD-1 insert editing while confirming the erase level being the same as adjusted in the step 2).</i> <div>Lch erase level : Maximum</div> |
| | | TP402 : 9B (AUDIO-1) ↓ Oscilloscope | T404 : 11B (AUDIO-1) | No input signal | AUD-2 INSERT VHS | 3) Perform the AUD-2 insert editing. 4) Adjust T404 to maximize erase level at TP402 (more than 200mVp-p). <i>Note: After this adjustment, repeat the AUD-2 insert editing while confirming the erase level being the same as adjusted in the step 4).</i> <div>Rch erase level : Maximum</div> |
| | BR-S622U Audio post-recording erase voltage | TP402 : 9B (AUDIO-1) ↓ Oscilloscope | T404 : 11B (AUDIO-1) | No input signal | AUDIO DUB VHS | 1) Perform audio dubbing (postrecording). 2) Adjust T404 to maximize erase level at TP402 (more than 200mVp-p). <i>Note: After this adjustment, repeat the audio dubbing operation while confirming the erase level being the same as adjusted in the step 2).</i> <div>Rch erase level : Maximum</div> |
| | | TP401 : 9B (AUDIO-1) ↓ Oscilloscope | T403 : 11C (AUDIO-1) | No input signal | REC VHS | 3) Adjust T403 to maximize erase level at TP401. <i>Note: After this adjustment, set the deck to the REC mode again while confirming the erase level being the same as adjusted in the step 3).</i> |

Note • All adjustment values are balanced values with 600Ω resistance.

• Turn off the MEMORY switch No.201 (DOLBY NR) unless otherwise indicated.

| No. | Item | Check point | Adjustment | Signal | Mode | Check and Adjustment |
|-----|----------------------------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9 | BR-S822U Normal audio insert crosstalk cancel | N. AUDIO OUT (600Ω terminator) | R302 : 4D (AUDIO-1) | 1kHz / -6dBs ↓ N. AUDIO | AUD-1 INSERT VHS | 1) Perform AUD-1 insert editing with a tape on which no audio signal is recorded. 2) Adjust R302 to minimize output level on R-ch. <i>Note: For this adjustment, use a tape on which normal audio signal is not recorded.</i> |
| | | Rch output level : Minimum | R301 : 5D (AUDIO-1) | 1kHz / -6dBs ↓ N. AUDIO | AUD-2 INSERT VHS | 3) Perform AUD-2 insert editing with a tape on which no audio signal is recorded. 4) Adjust R301 to minimize output level on L-ch. <i>Note: For this adjustment, use a blank tape on which any signal is not recorded.</i> |
| | | Lch output level : Minimum | R320 : 5D L302 : 5C (AUDIO-1) | 10kHz / -6dBs ↓ N. AUDIO IN | AUD-1 INSERT VHS | 5) Perform AUD-1 insert editing with a tape on which no audio signal is recorded. 6) Adjust R320 and L302 to minimize output level on R-ch. <i>Note: Repeat the above steps 5), 6) and 7), 8) until respective output levels are minimized.</i> |
| | | Rch output level : Minimum | R319 : 6D L301 : 6C (AUDIO-1) | 10kHz / -6dBs ↓ N. AUDIO IN | AUD-2 INSERT VHS | 7) Perform AUD-2 insert editing with a tape on which no audio signal is recorded. 8) Adjust R319 and L301 to minimize output level on L-ch. <i>Note: Repeat the above steps 5), 6) and 7), 8) until respective output levels are minimized.</i> |
| | BR-S622U Normal audio post-recording crosstalk cancel | N. AUDIO OUT (600Ω terminator) | R301 : 5D (AUDIO-1) | 1kHz / -6dBs ↓ N. AUDIO | AUDIO DUB VHS | 1) Perform audio dubbing (postrecording) with a tape on which no audio signal is recorded. 2) Adjust R301 to minimize output level on L-ch. |
| | | Lch output level : Minimum | R319 : 6D L301 : 6C (AUDIO-1) | 10kHz / -6dBs ↓ N. AUDIO IN | AUDIO DUB VHS | 3) With the 10kHz / -6dBs signal input, perform audio dubbing (postrecording). 4) Adjust R319 and L301 to minimize output level on L-ch. |
| | BR-S822U Normal audio insert bias trap | TP7 : 8E (AUDIO-1) ↓ Oscilloscope | L9 : 7F (AUDIO-1) TP7 : Minimum | No input signal | AUD-2 INSERT VHS | 1) Perform AUD-2 (R-ch) insert editing. 2) Adjust L9 to minimize bias level (70kHz) at TP7. |
| | | TP8 : 6E (AUDIO-1) ↓ Oscilloscope | L10 : 4F (AUDIO-1) TP8 : Minimum | No input signal | AUD-1 INSERT VHS | 3) Perform AUD-1 (L-ch) insert editing. 4) Adjust L10 to minimize bias level (70kHz) at TP8. |
| 10 | BR-S822U Normal audio insert bias trap | TP7 : 8E (AUDIO-1) ↓ Oscilloscope | L9 : 7F (AUDIO-1) TP7 : Minimum | No input signal | AUD-2 INSERT VHS | 1) Perform audio dubbing. 2) Adjust L9 to minimize bias (70kHz) at TP7. |
| | BR-S622U Normal audio post-recording bias trap | TP7 : 8E (AUDIO-1) ↓ Oscilloscope | L9 : 7F (AUDIO-1) TP7 : Minimum | No input signal | AUDIO DUB VHS | |

Note • All adjustment values are balanced values with 600Ω resistance.

• Turn off the MEMORY switch No.201 (DOLBY NR) unless otherwise indicated.

| No. | Item | Check point | Adjustment | Signal | Mode | Check and Adjustment |
|-----|-------------------------------------|-----------------------------------------------------|-----------------------------------------------|--------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11 | BR-S822U Time code bias trap | TP601 : 2B (AUDIO-1) ↓ Oscilloscope | L601 : 3A (AUDIO-1) TP601 : Minimum | No input signal | AUD-1 INSERT VHS | 1) Make sure of MEMORY switch No.206(AUD-2/ LTC) being set to "LTC". 2) Perform AUD-1 insert editing. 3) Adjust L601 to minimize level at TP601. 4) After the adjustment, return the MEMORY switch to "AUD-2" position. |
| 12 | Hi-Fi audio carrier frequency | TP7 (AUDIO-3) ↓ Frequency counter | R29 (AUDIO-3) | No input signal | REC VHS | 1) Set the MEMORY switch No.200(HiFi REC) to "ON" position. 2) Adjust R29 so that frequency at TP7 becomes 1.300±0.002MHz. |
| | | TP8 (AUDIO-3) ↓ Frequency counter | R30 (AUDIO-3) | No input signal | REC VHS | 3) Adjust R30 so that frequency at TP8 becomes 1.700±0.002MHz. |
| 13 | Hi-Fi audio FM output level | A-RF terminal (Front panel) ↓ Oscilloscope | R55 (AUDIO-3) | MHAF-3 | PB | 1) Adjust R55 so that FM output level at the A-RF terminal inside the front panel becomes 100mVp-p. Note: If there is level difference in two channels, adjust the level by the channel having the lower level. Adjust the TRACKING VR to the best tracking position. |
| 14 | Hi-Fi audio PB level | HiFi AUDIO OUT (600Ω terminator) | R15 (Lch) R16 (Rch) (AUDIO-3) | MHAF-3 (1kHz) | PB | 1) With the alignment tape MHAF-3 being played back, adjust R15(L-ch) and R16(R-ch) so that playback level of the 1kHz signal is -6.0dBs. Note: Adjust the TRACKING VR to the best tracking position. |

3.2 AUDIO CIRCUIT (BR-S522U/BR-S525U)

Note • All adjustment values are balanced values with 600Ω resistance.

• Turn off the memory switch No.201 (DOLBY NR) unless otherwise indicated.

| No. | Item | Check point | Adjustment | Signal | Mode | Check and Adjustment | | | | | | |
|-----------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------|----------------------------------------------|------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Hi-Fi audio carrier frequency | TP7 (AUDIO-3) ↓ Frequency counter | R29 (AUDIO-3) | — | No cassette | 1) Adjust R29 so that frequency at TP 7 becomes $1.300 \pm 0.002\text{MHz}$. | | | | | | |
| | | TP8 (AUDIO-3) ↓ Frequency counter | R30 (AUDIO-3) | — | No cassette | 1) Adjust R30 so that frequency at TP 8 becomes $1.700 \pm 0.002\text{MHz}$. | | | | | | |
| 2 | Hi-Fi audio PB level | HiFi AUDIO OUT (600Ω terminator) Hi-Fi audio PB level : -6.0dBs | R15 (Lch) R16 (Rch) (AUDIO-3) | MBAF-3 or MH-F6 | PB | 1) Set the AUDIO PB LEVEL VR to the preset mode (knob is depressed). 2) Play back the 1kHz segment of the alignment tape MBAF-3 or MH-F6 while adjusting R15(L-ch) and R16(R-ch) to obtain -6.0 dBs as the playback level of the 1kHz signal respectively. | | | | | | |
| 3 | HiFi AUDIO LEVEL METER | HiFi AUDIO OUT (600Ω terminator) AUDIO LEVEL METER : 0.0dBs | R87 : 2E (Lch) R88 : 2E (Rch) (AUDIO-2) | MBAF-3 or MH-F6 | PB | 1) Set the AUDIO MONITOR switch to the "Hi-Fi" position. 2) Adjust output level at the HiFi AUDIO output terminal to be -6.0dBs with the HiFi PB LEVEL VR. 3) Reading the AUDIO LEVEL METER head-on, adjust R87(L-ch) and R88(R-ch) so that the meter reads 0.0dB respectively. | | | | | | |
| 4 | Hi-Fi audio FM output level | A-RF terminal (Front panel) ↓ Oscilloscope | R55 (AUDIO-3) | MBAF-3 | PB | 1) Adjust R55 so that FM output level at the A-RF terminal inside the front panel becomes 100mVp-p. Note: If there is channel difference, adjust at the smaller level. | | | | | | |
| 5 | Normal Audio playback level | N. AUDIO OUT (600Ω terminator) Playback level : -6.0dBs Note Confirm that the meter pointer does not overshake in the Search FWD/ REV mode. | R25 : 7E (Lch) R26 : 5E (Rch) (AUDIO-1) | MBA | PB | 1) Confirm that the MEMORY switch No. 201 (DOLBY NR) is set to "OFF". 2) Set the AUDIO PB LEVEL VR to the preset mode (knob is depressed). 3) Play back the alignment tape MBA. 4) Adjust R25 (L-ch) and R26 (R-ch) to obtain -6.0 dBs as the output level. | | | | | | |
| 6 | Normal Audio playback frequency response | N. AUDIO OUT (600Ω terminator) - Rated frequency response - <table><tr><td>400Hz</td><td>100Hz</td><td>10kHz</td></tr><tr><td>0dB (Reference)</td><td>-0.5±2.0dB</td><td>+1.8dB</td></tr></table> | 400Hz | 100Hz | 10kHz | 0dB (Reference) | -0.5±2.0dB | +1.8dB | R125 : 6B (Lch) R126 : 5C (Rch) (AUDIO-1) | MH-6 | PB | 1) Make sure of the MEMORY switch No.201 (DOLBY NR) being set to "OFF". 2) With the alignment tape MH-6, confirm that playback level of the 100Hz signal is -0.5dB as against playback level of the 400Hz signal. 3) With the same tape used, adjust R125(L-ch) and R126(R-ch) so that playback level of the 10kHz signal is +1.8dB compared with that of the 400Hz signal. |
| 400Hz | 100Hz | 10kHz | | | | | | | | | | |
| 0dB (Reference) | -0.5±2.0dB | +1.8dB | | | | | | | | | | |

SECTION 4

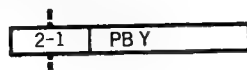
DIAGRAMS AND CIRCUIT BOARDS

■ FOREWORD

1. Expression of connector

Connector is expressed in two ways.

- 1) The following illustrates 'CN2 pin 1' for example.



- 2) The following illustrates 'CN1 pins 1 and 2'.



2. Expression of wiring

As the following circuit diagram is divided to print on some sheets, such an indication as the following is found in the case the wiring extends over two or more divided sections.

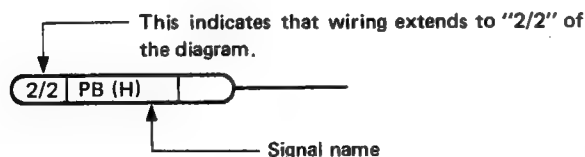
- 1) Circuit diagram divided into two or more sections:

| Board No. | Board Name | Number of divided sections |
|-----------|------------------|----------------------------|
| 02 | MOTER-2 | 2 (1/2~2/2) |
| 10 | REC/PB Y | 2 (1/2~2/2) |
| 12 | REC/PB COLOR | 2 (1/2~2/2) |
| 19 | OUTPUT | 2 (1/2~2/2) |
| 21 | AUDIO-1 | 3 (1/3~3/3) |
| 23 | AUDIO-3 | 2 (1/2~2/2) |
| 31 | M CTL/REEL SERVO | 2 (1/2~2/2) |
| — | OVERALL | 2 (1/2~2/2) |

- 2) Indication of wiring which extends to another section:

(Example)

On the "1/2" diagram of REC/PB Y board, such an indication as the following is found on the "PB (H)" signal line.



In the above case, the end of the wiring is connected to the "2/2-PB (H)" on the 2nd section of the diagram.

3. Wiring of connector

(Example)



In the above example, CN1 is connected with CN2 on 1 2 SYSCON board.

Note: When one end of the connector's wiring is the MOTHER board, further destination of the wiring after the MOTHER board is shown in () nearby the connector.

4. Signal flow on the diagram

The following arrow marks indicate the specified signal paths respectively.

- ➡ : RECORDING or EE signal path
- ➡ : PLAYBACK signal path
- ➡ : REC/PLAY signal path

5. Measurement of voltage and waveform

- 1) Voltage

Measured by digital voltmeter in REC mode.

Value in () shows voltage in S-VHS PB mode, and it is indicated only in the case PB voltage is different from that in REC.

- 2) Waveform

Video: Unless otherwise indicated, (a) color bars signal input through LINE IN terminal in REC in S-VHS mode, (b) color bars signal of MHV-2H alignment tape in PB.

6. Unit of value

Unless otherwise specified:

- 1) Resistance is in Ω (1/6 W)
- 2) Capacitance in μF
- 3) Inductance in μH
- 4) Screened parts (in) are important for safety assurance. When replacing them, use specified parts.
- 5) Values without any indication in () are common to the BR-S822, BR-S622, BR-S522 and BR-S525.

4.1 CIRCUIT BOARD LOCATIONS

• Index to board by kind of diagram

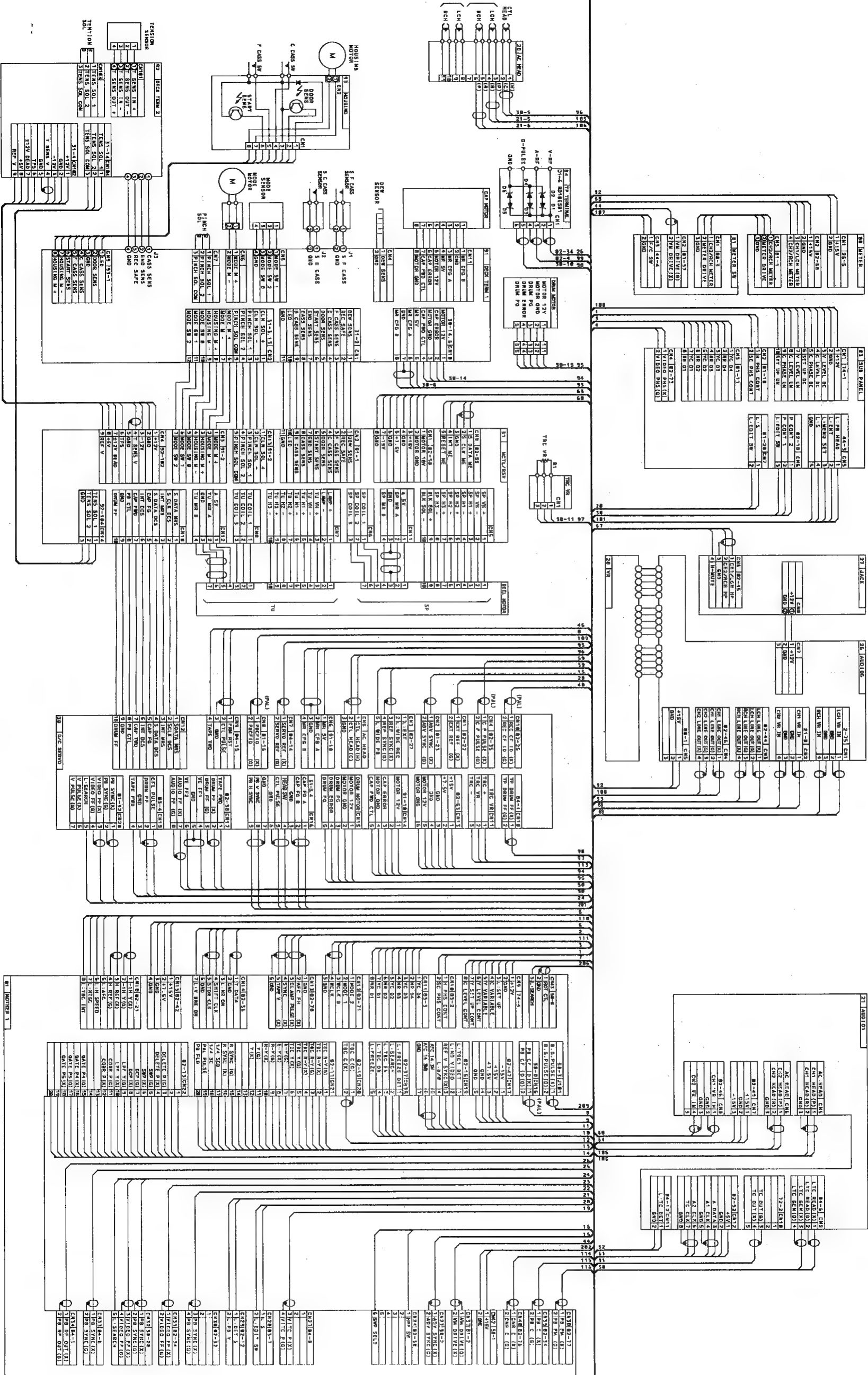
This section contains merely the diagrams of the circuit boards that have been changed. For other circuit boards, refer to the service manual for BR-S822U/BR-S622U/BR-S522U/BR-S525U.

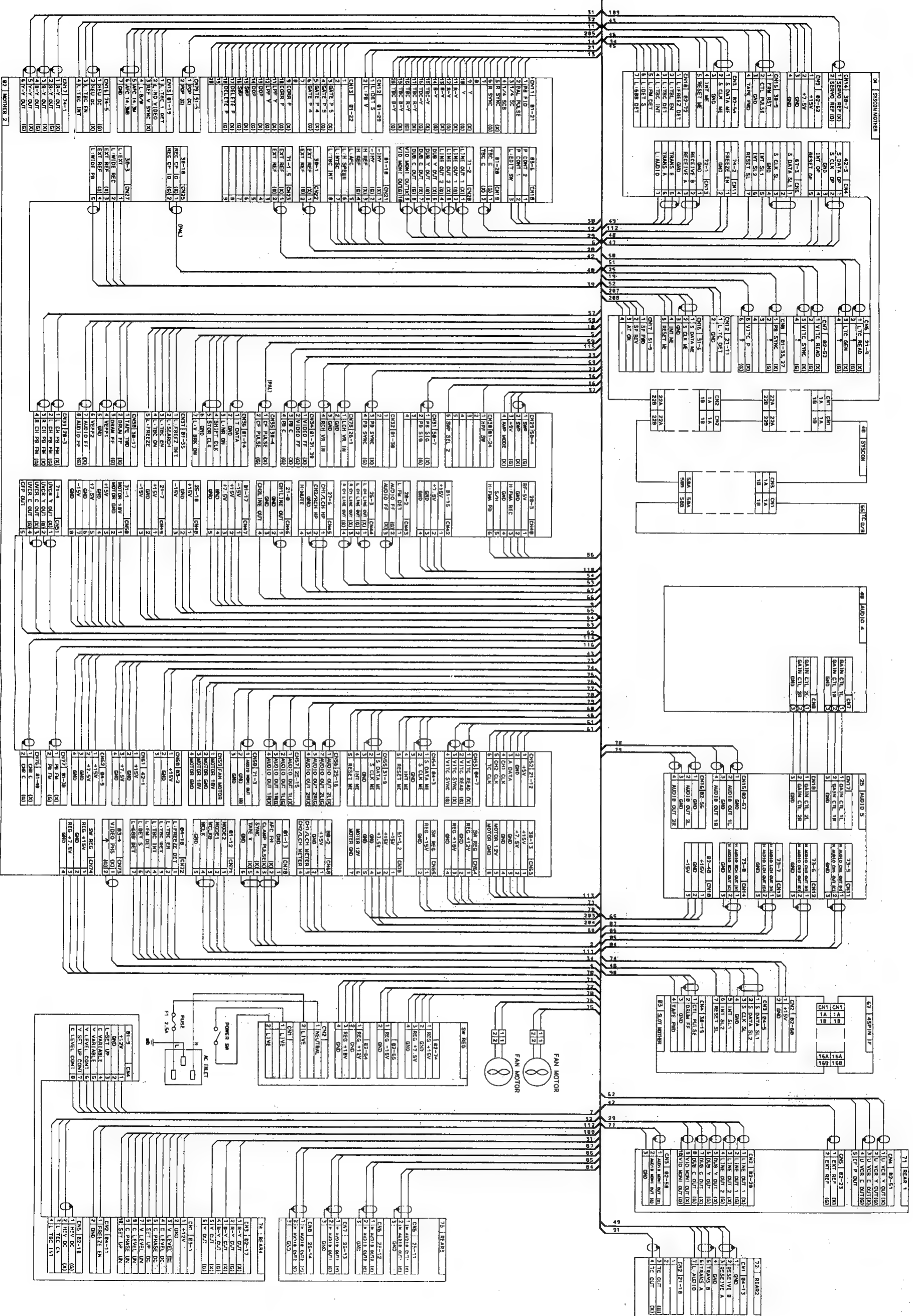
The Board Numbers (□□) appearing in this section are the same as those in the service manual.

| Board No. | Board Name | Page of diagram | | | |
|-----------|------------------------------------------|-----------------|-------------------|---------------|------------|
| | | Block diagram | Schematic diagram | Circuit board | Parts list |
| 01 | MOTHER-1 | — | 4-8 | 4-9,4-18 | 6-2 |
| 02 | MOTHER-2 | — | 4-10,11 | 4-12 | 6-3 |
| 03 | SLOT MOTHER | — | *1 | *1 | *1 |
| 04 | SYSCON MOTHER | — | *1 | *1 | *1 |
| 05 | FUSE | — | *1 | *1 | *1 |
| 10 | REC/PB Y (NC LIM INC.) | *1 | *1 | *1 | *1 |
| 12 | REC/PB C (CTC DL, CNR DL, DELAY TP INC.) | *1 | *1 | *1 | *1 |
| 15 | PRE/REC | — | *1 | *1 | *1 |
| 16 | R/P ADJUST | *1 | *1 | *1 | *1 |
| 17 | Y COMB (1H DELAY 4FSC INC.) | *1 | *1 | *1 | *1 |
| 19 | OUTPUT | *1 | *1 | *1 | *1 |
| 20 | FMA PRE/REC | *1 | *1 | *1 | *1 |
| 21 | AUDIO-1 | *1 | *1 | *1 | *1 |
| 22 | AUDIO-2 | *1 | *1 | *1 | *1 |
| 23 | AUDIO-3 | *1 | 4-14,15 | 4-13 | 6-3 ~ 5 |
| 24 | AUDIO-4 | *1 | *1 | *1 | *1 |
| 25 | AUDIO-5 | *1 | *1 | *1 | *1 |
| 26 | AUDIO-6 | *1 | *1 | *1 | *1 |
| 27 | JACK | *1 | *1 | *1 | *1 |
| 28 | VR | *1 | *1 | *1 | *1 |
| 26 | AUDIO-6 | — | *1 | *1 | *1 |
| 27 | JACK | — | *1 | *1 | *1 |
| 28 | VR | — | *1 | *1 | *1 |
| 29 | A/C HEAD | — | — | *1 | *1 |
| 30 | D/C SERVO | *1 | *1 | *1 | *1 |
| 31 | M-CTL/REEL SERVO | *1 | *1 | *1 | *1 |
| 40 | SYSCON | *1 | *1 | *1 | *1 |
| 41 | AV MICOM/ON SCREEN | *1 | 4-16 | 4-17 | 6-6 ~ 8 |
| 42 | OPERATION (43, 44, 46, 47, 48 INC.) | — | *1 | *1 | *1 |
| 45 | COUNTER DISPLAY | — | *1 | *1 | *1 |
| 71 | REAR-1 (72 -2, 73 -3 INC.) | *1 | *1 | *1 | *1 |
| 80 | METER (81 SWITCH, 82 TRACKING VR INC.) | *1 | *1 | *1 | *1 |
| 83 | SUB PANEL (84 TP TERMINAL INC.) | — | *1 | *1 | *1 |
| 91 | DECK TERMINAL (92 -2 INC.) | — | *1 | *1 | *1 |
| 93 | CASSETTE HOUSING | — | — | *1 | *1 |

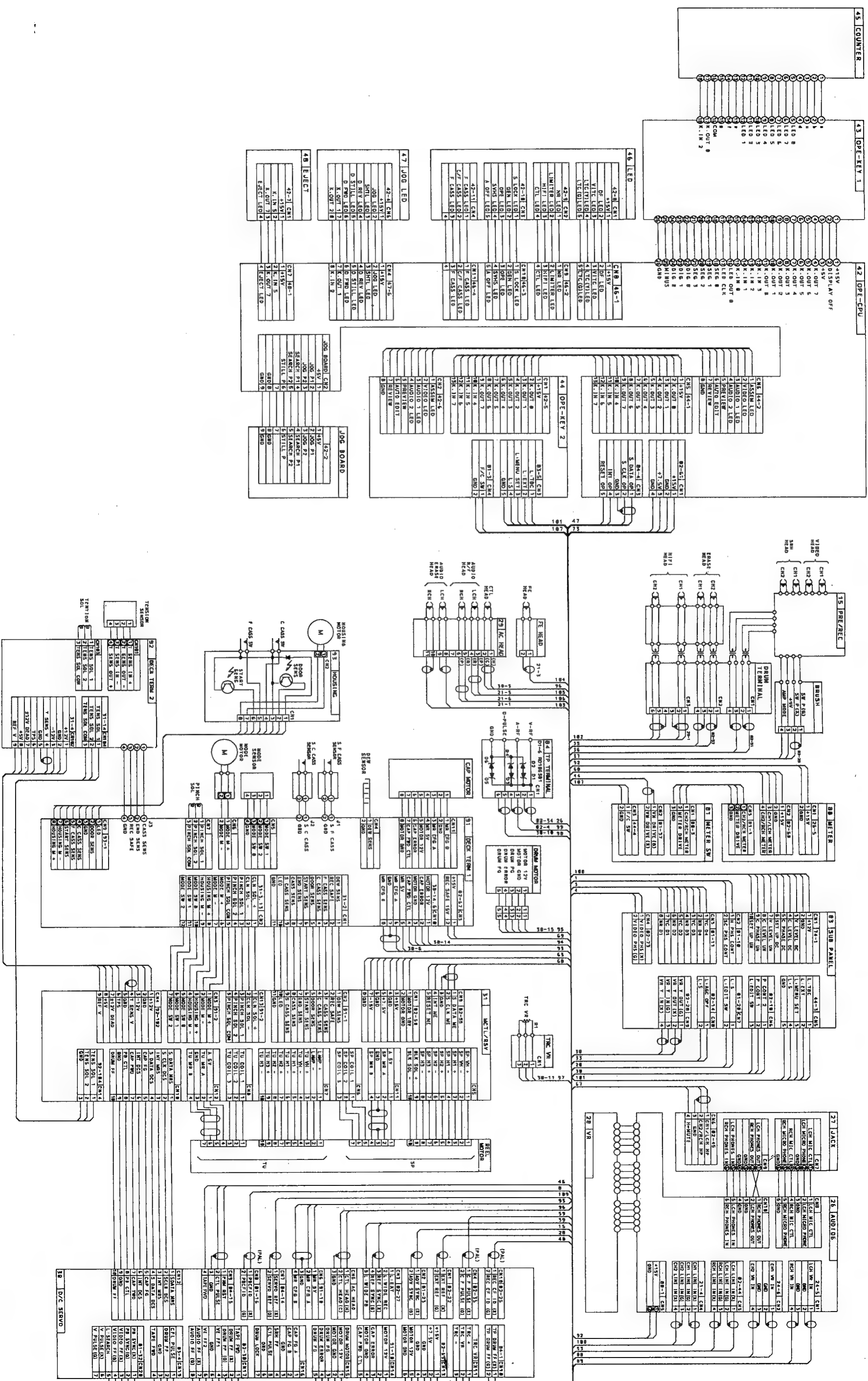
*1: Refer to the BR-S822U/BR-S622U/BR-S522U/BR-S525U.

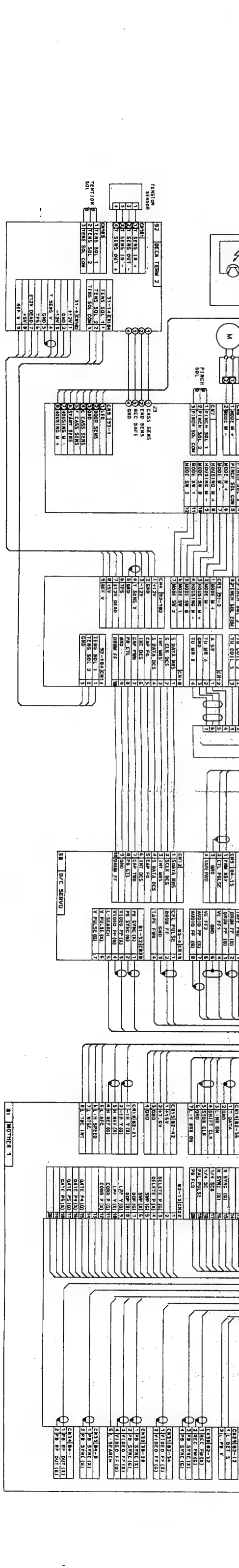
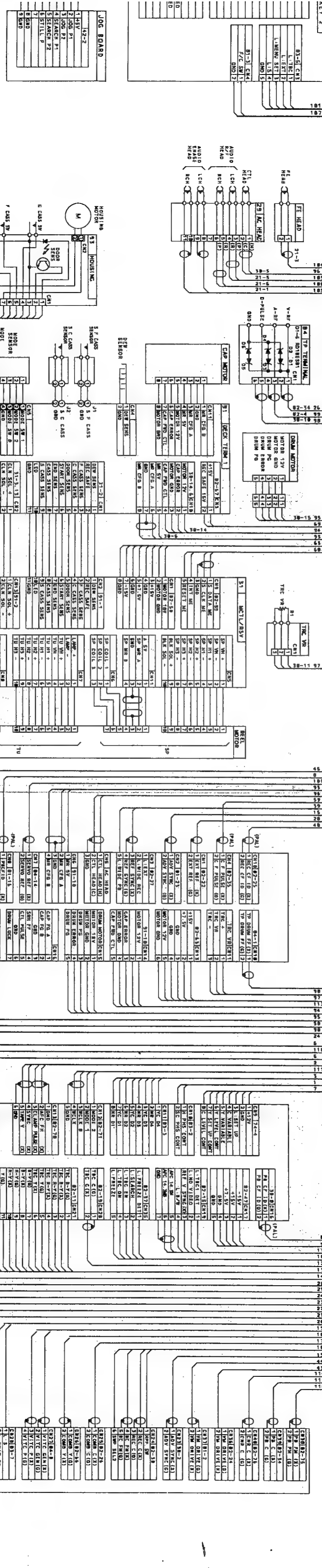
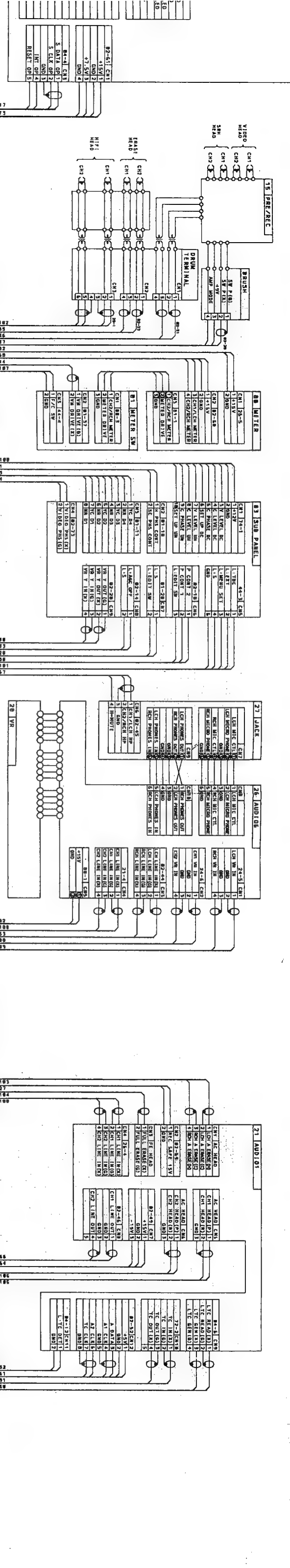


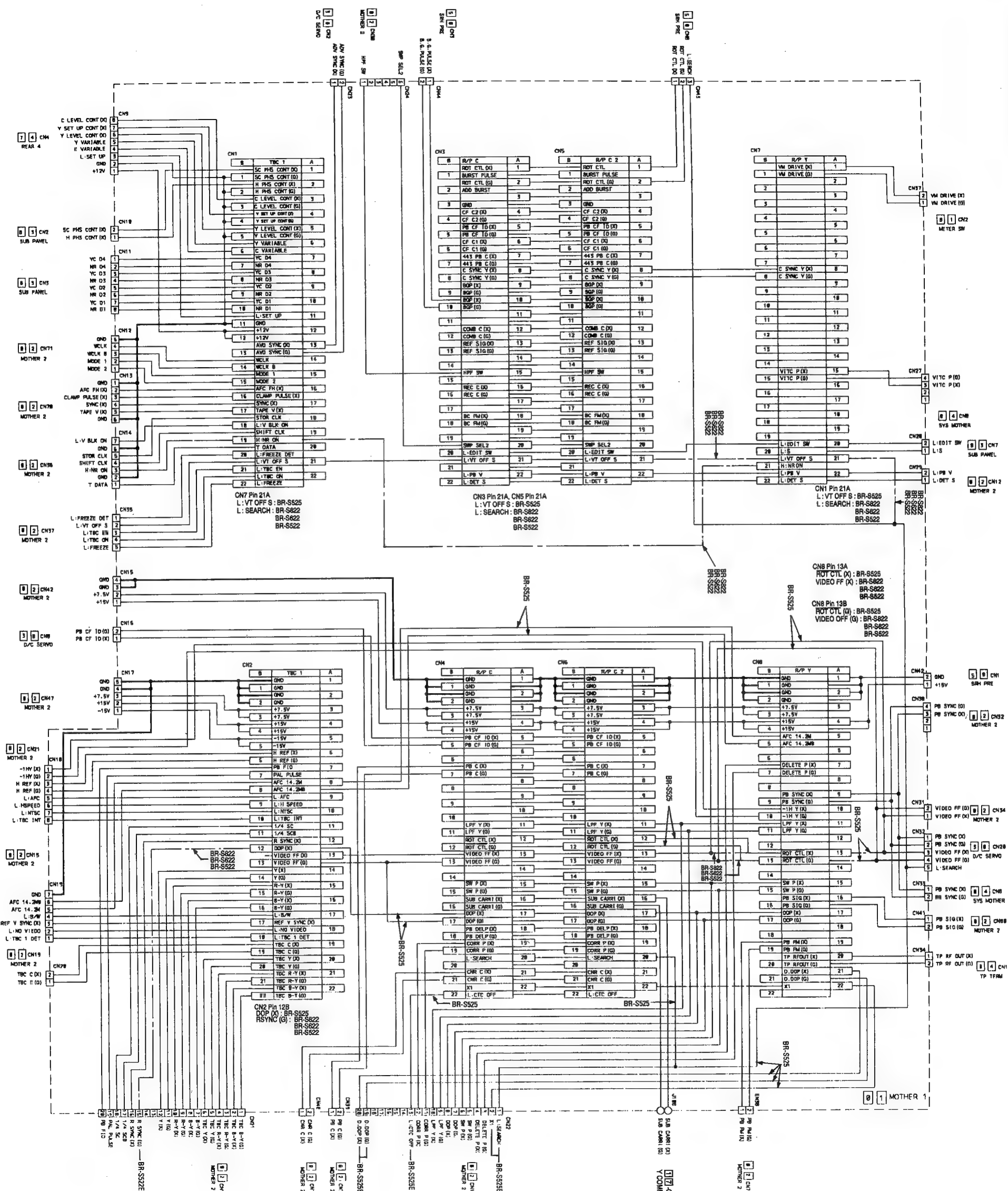


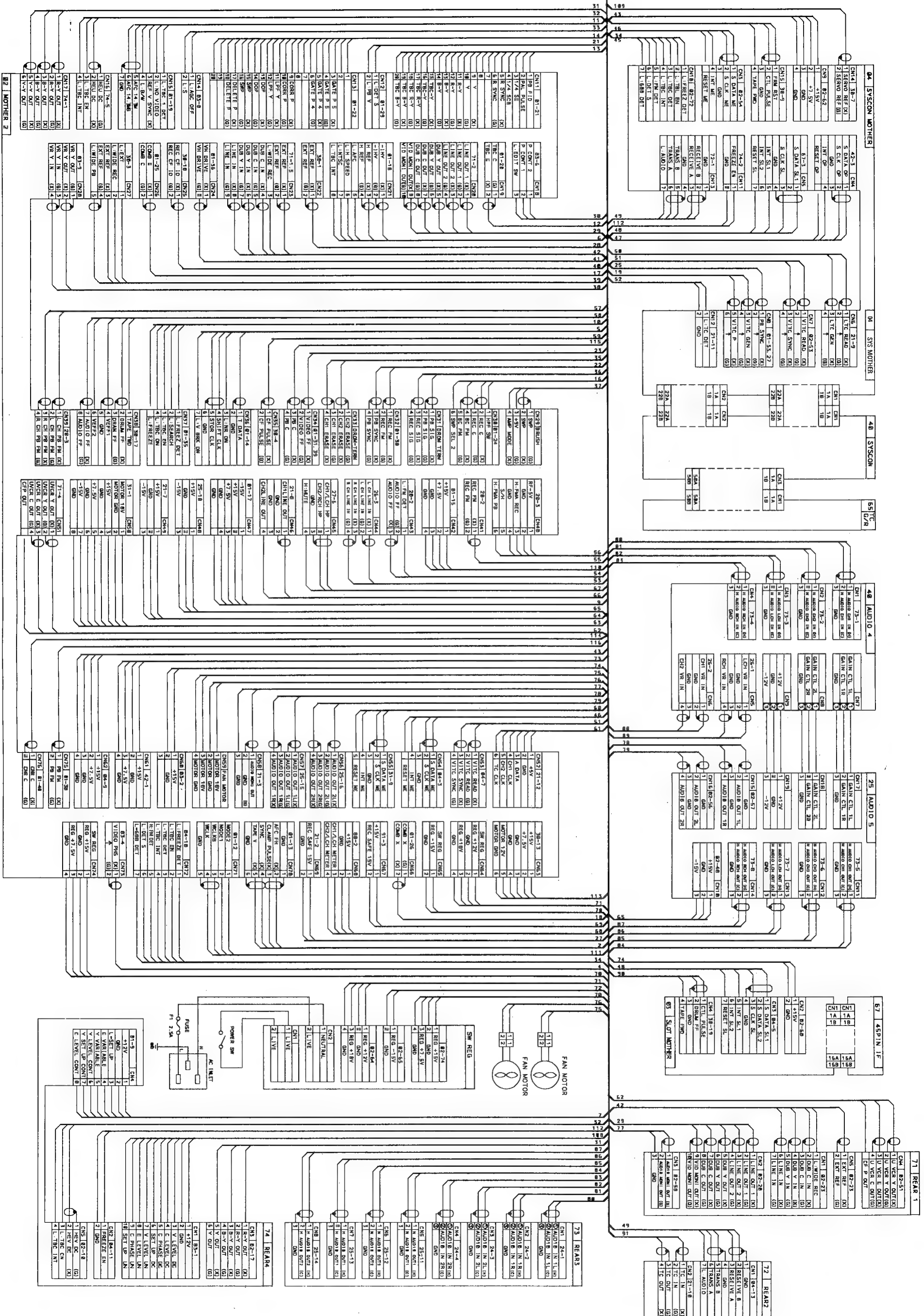


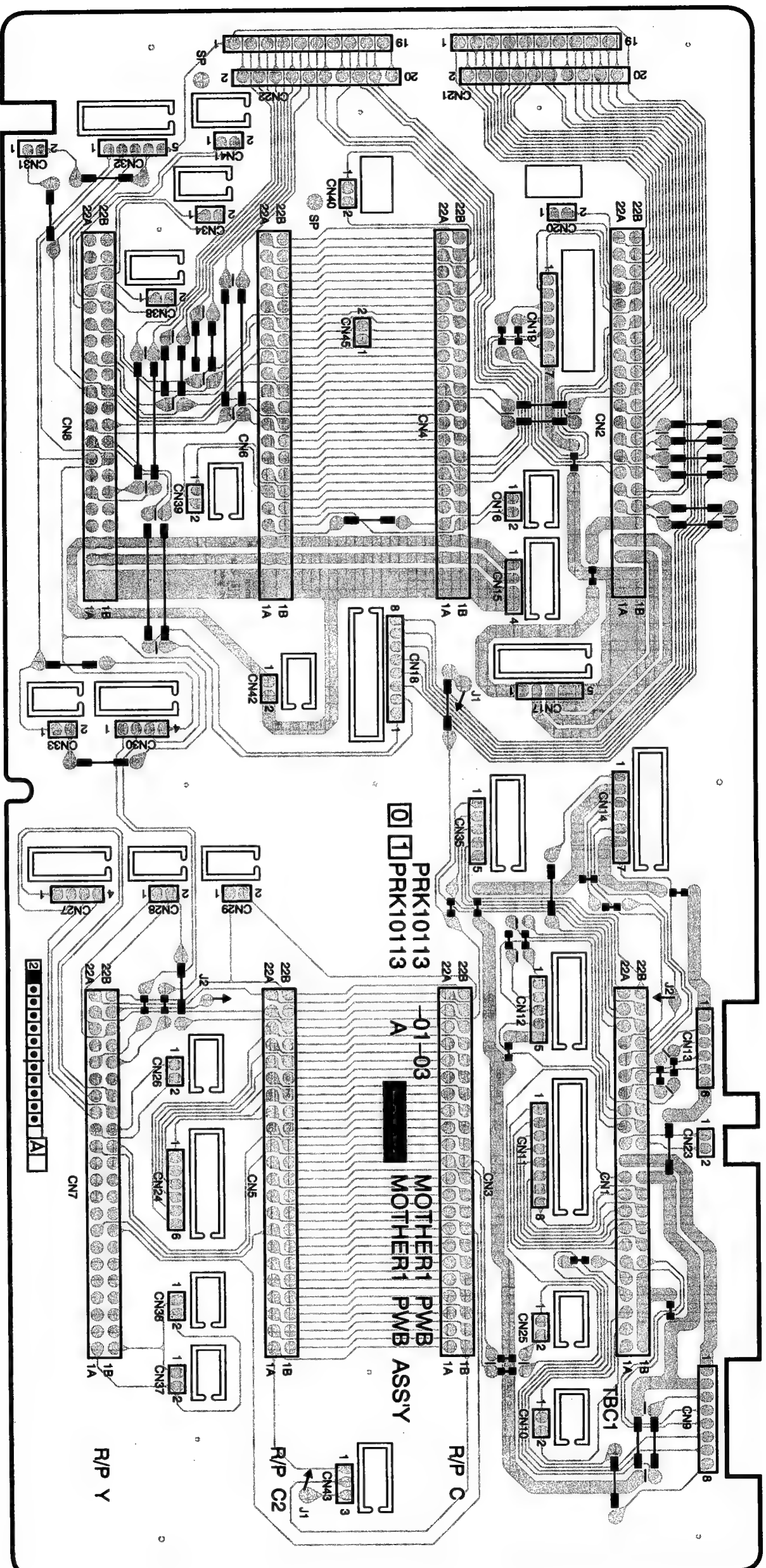


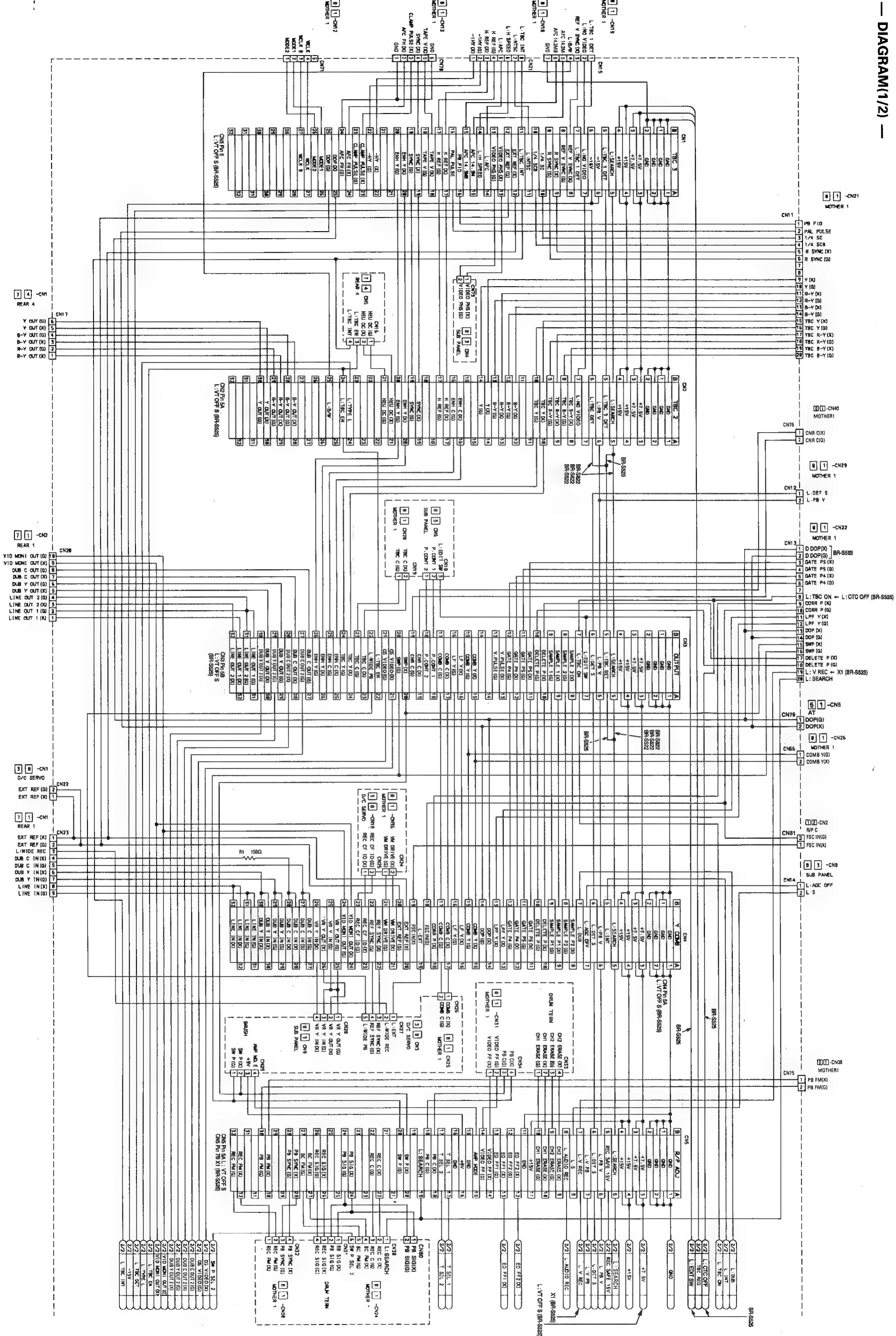


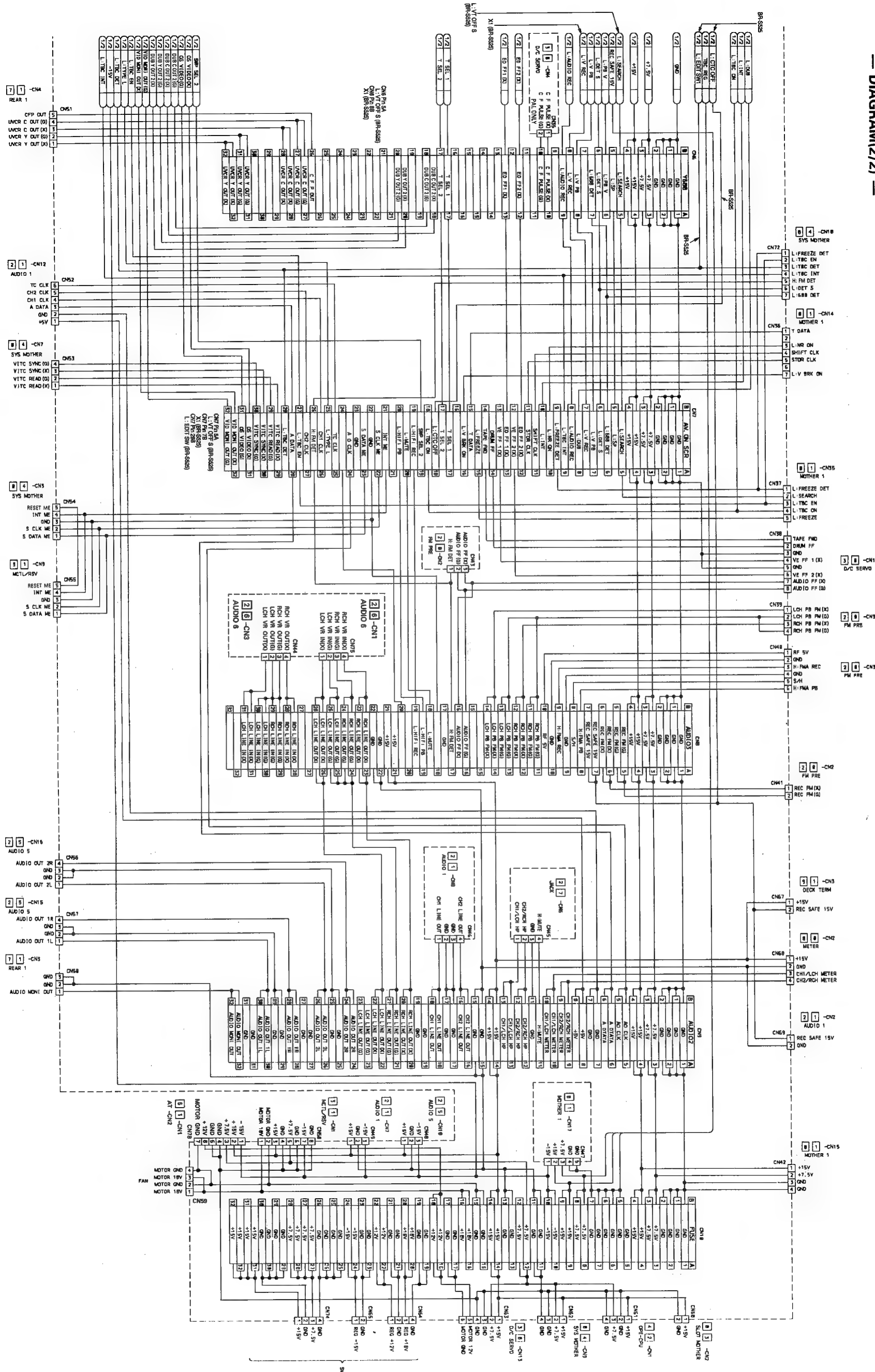


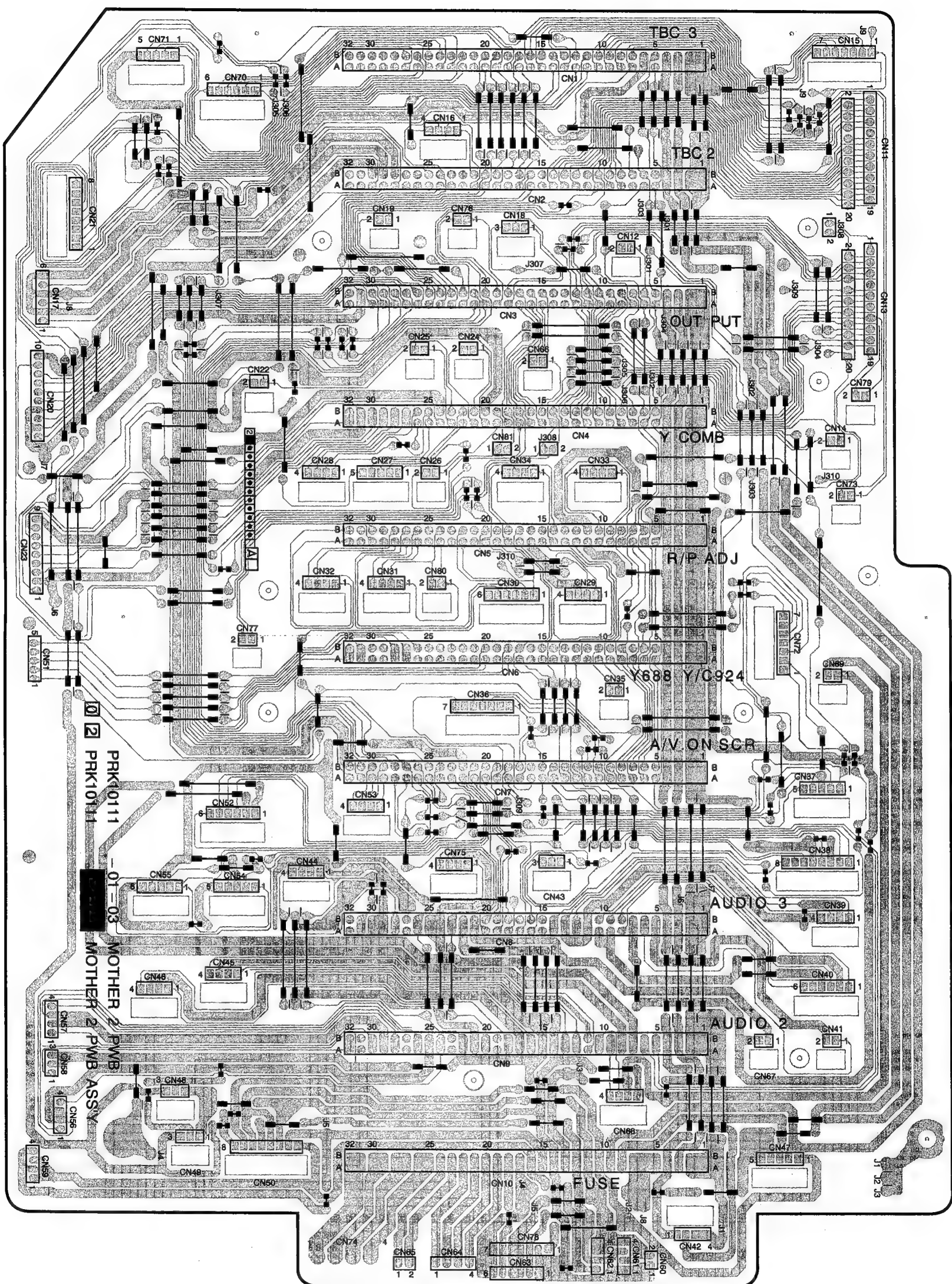


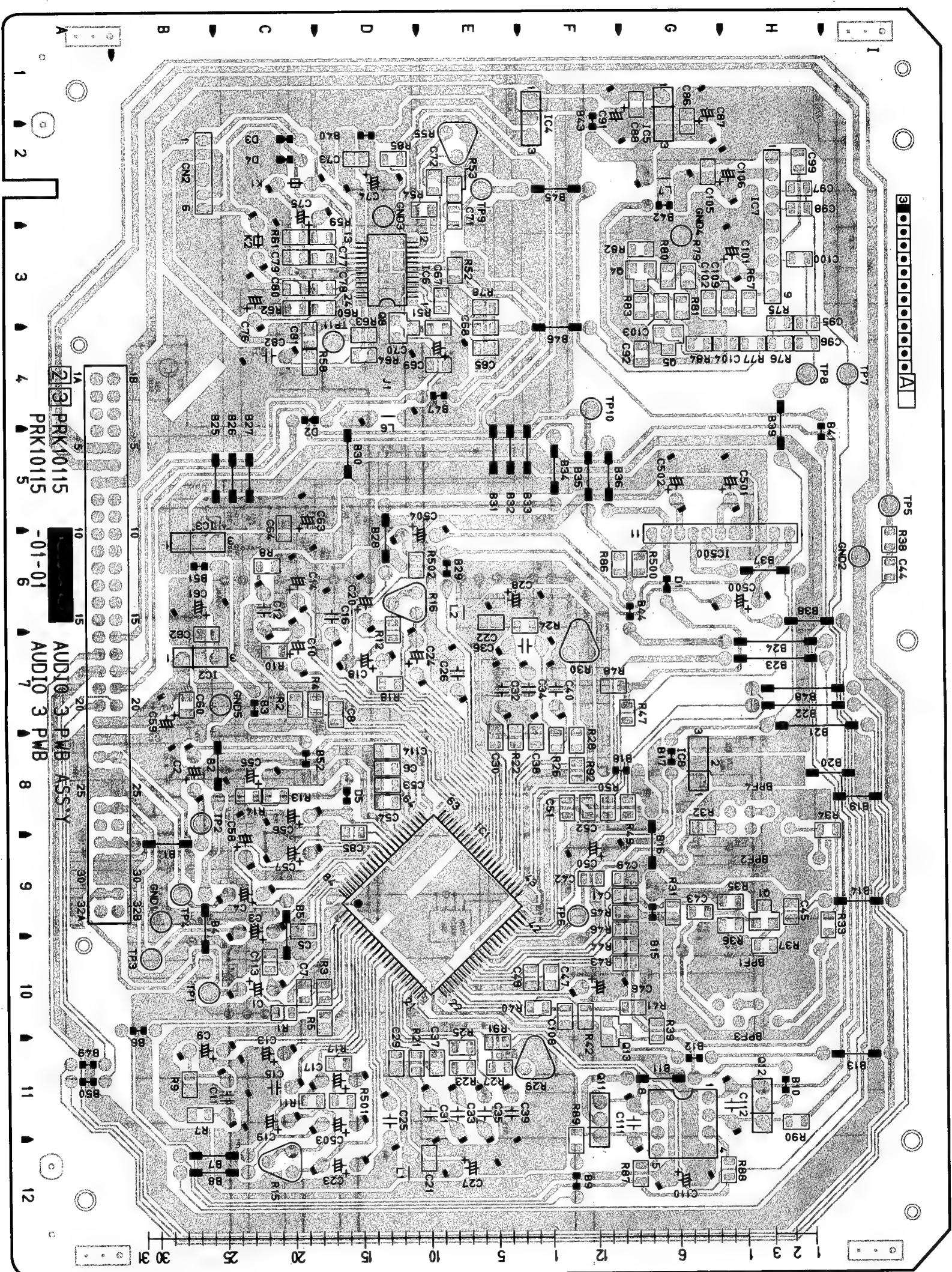




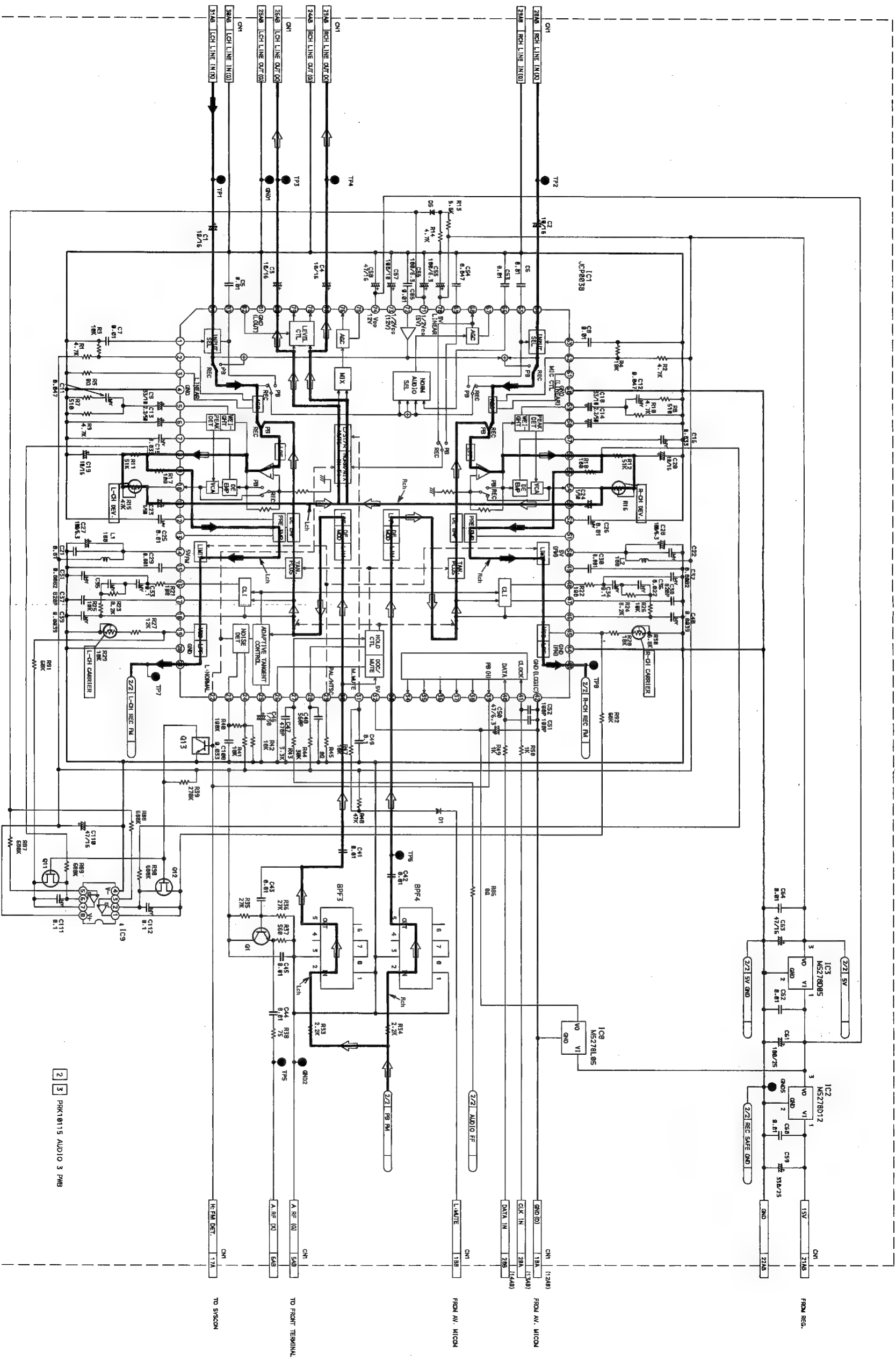








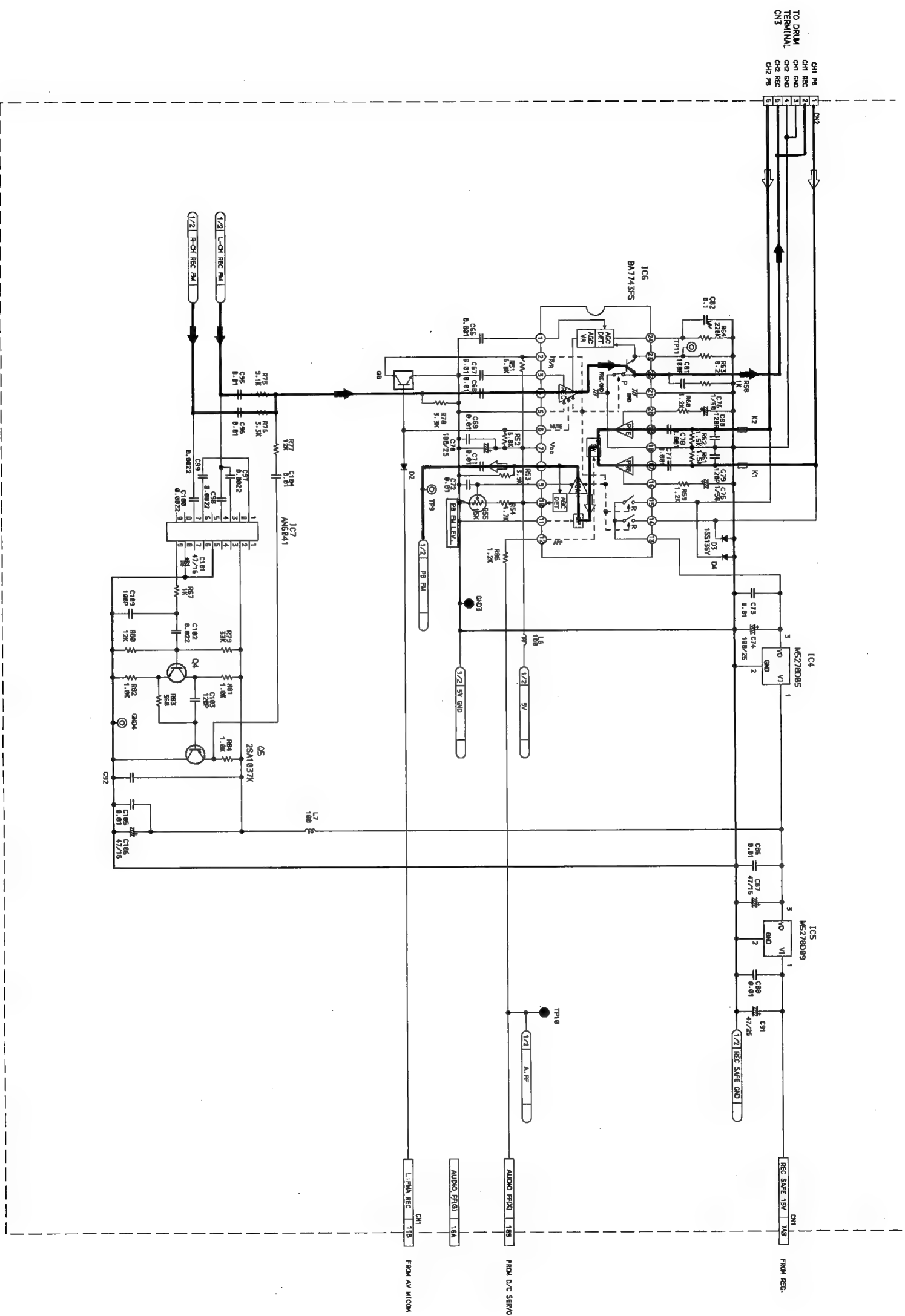
4.9 AUDIO-3 SCHEMATIC DIAGRAM — DIAGRAM (1/2) —

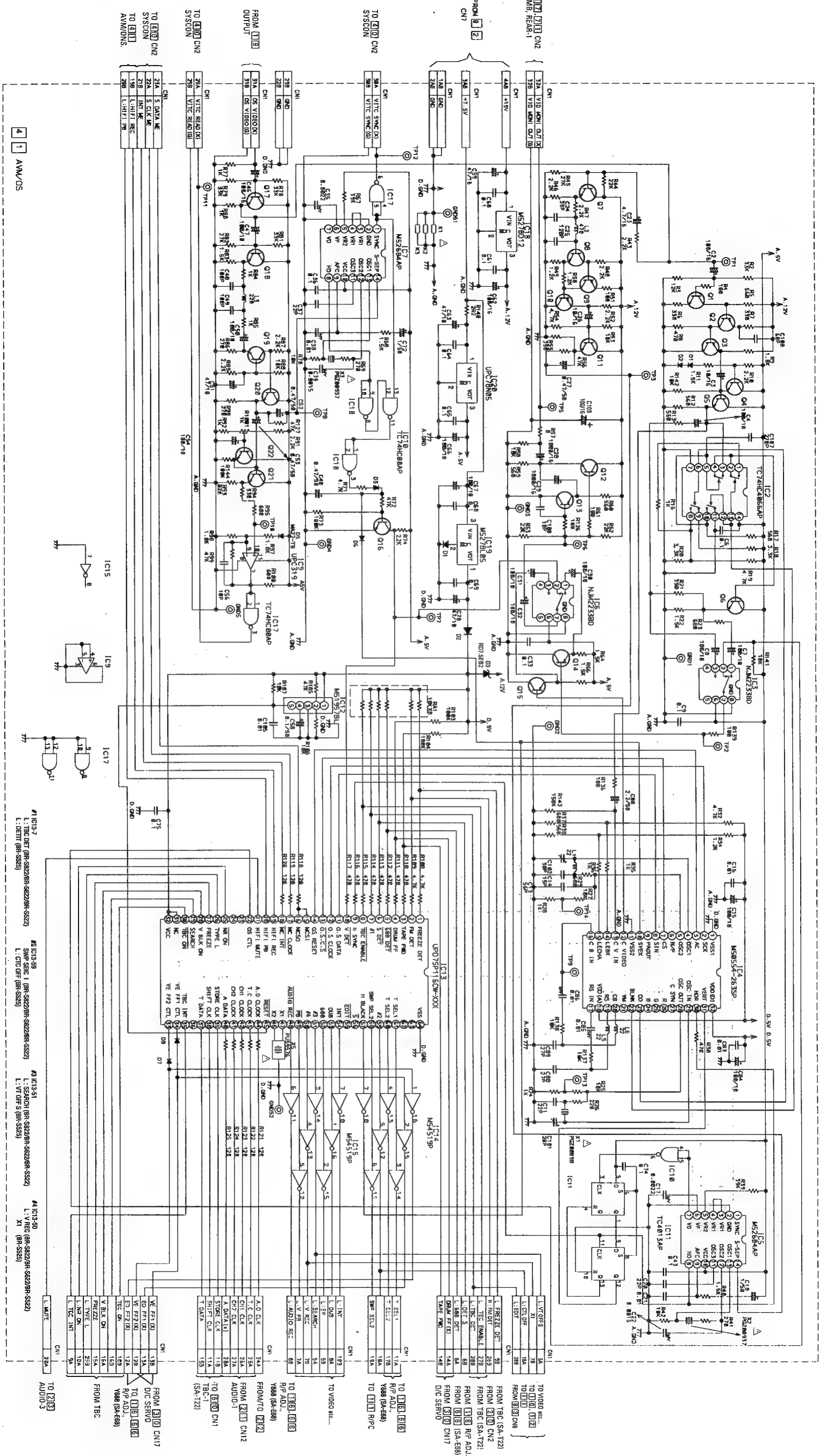


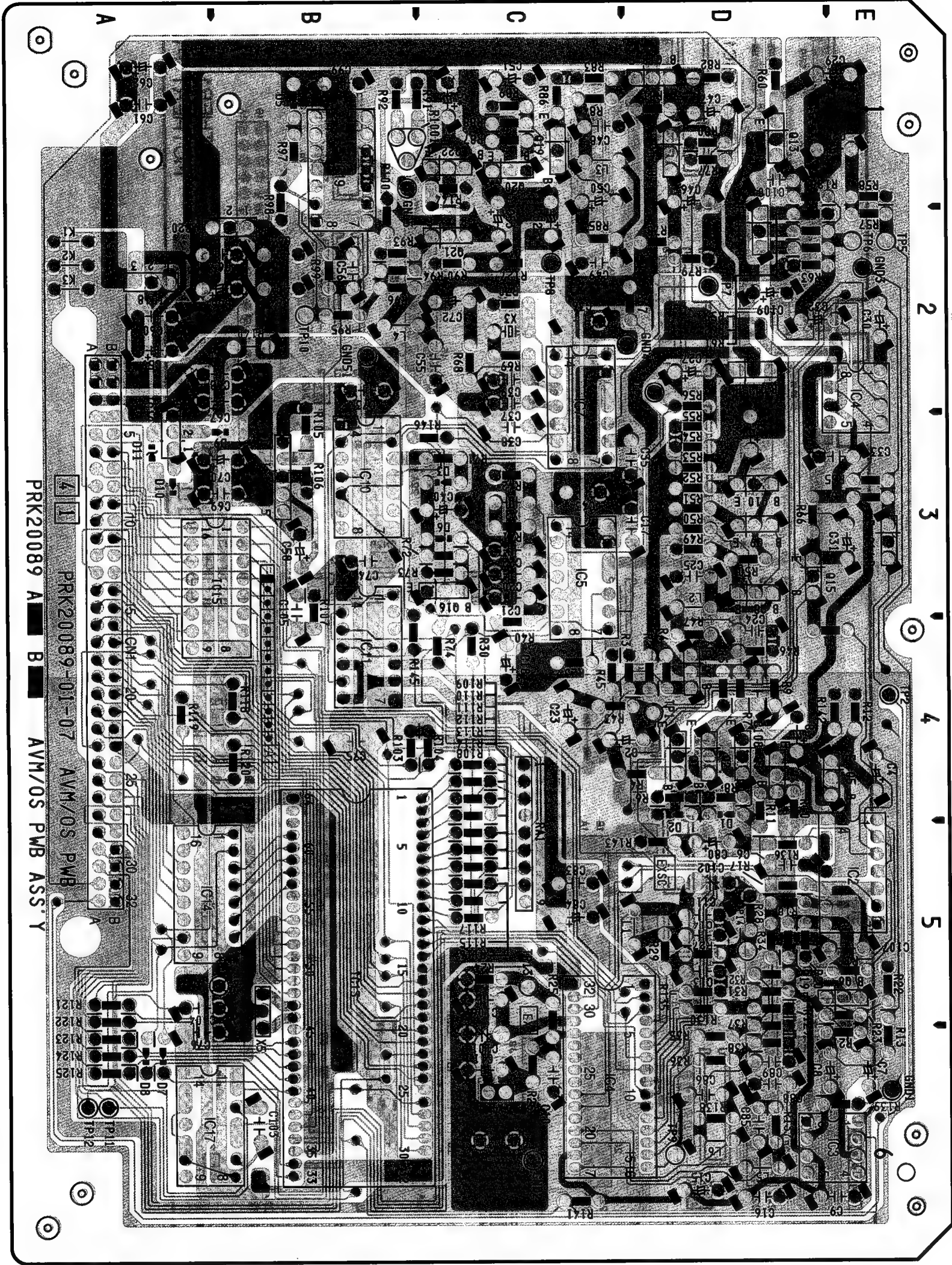
NOTE: UNLESS OTHERWISE SPECIFIED:
ALL PNP TRANSISTORS ARE 2SC2412K
ALL PNP TRANSISTORS ARE 2SA1037K
ALL PNP DIGITAL TRANSISTORS ARE DTC124EK
ALL PNP DIGITAL TRANSISTORS ARE DTC124EK
ALL DIODES ARE 1SS133V
ALL RESISTANCE VALUES ARE IN OHMS (1/10W)
ALL CAPACITANCE VALUES ARE IN μ F.

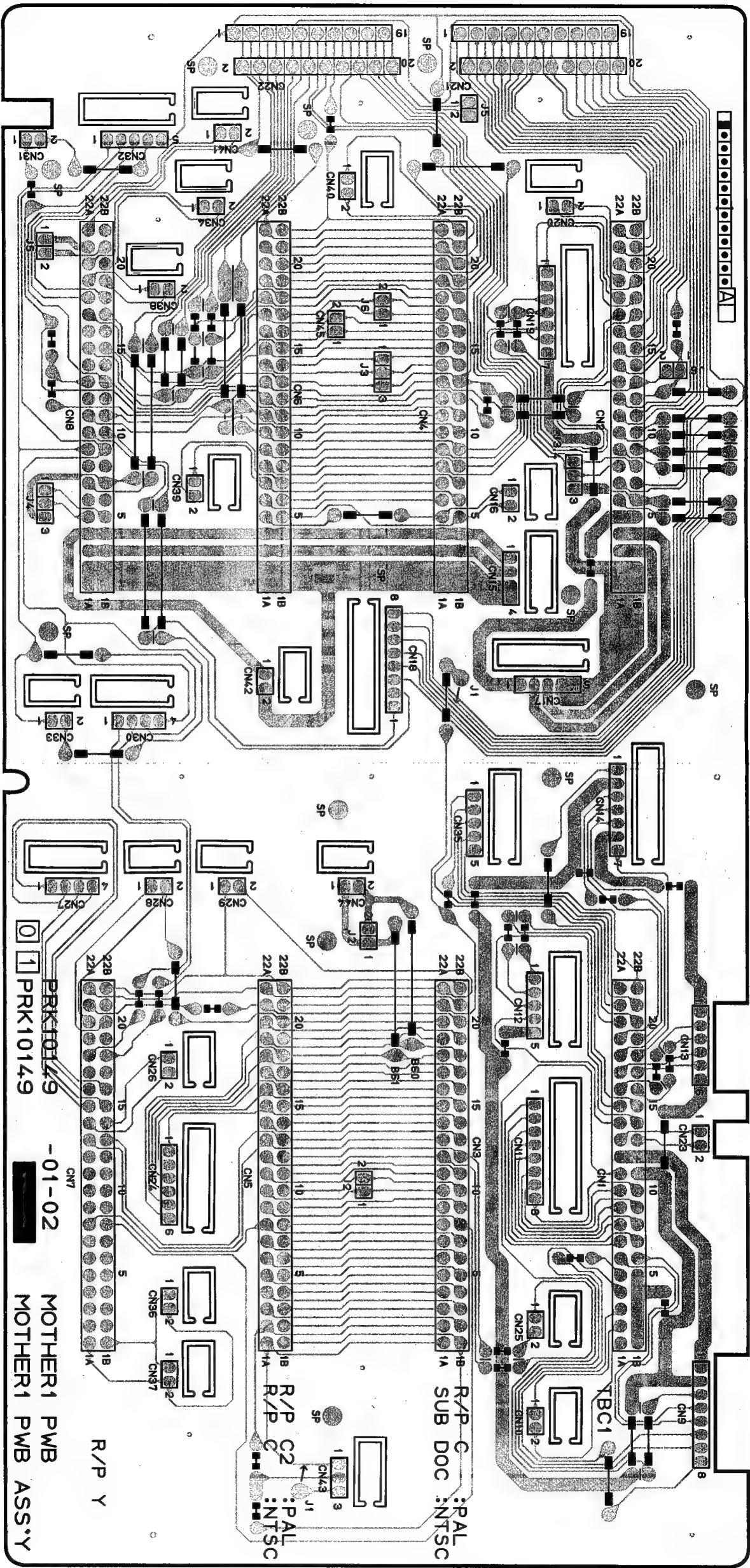
⎓ ELECTROLYTIC
⎓ CERAMIC
⎓ MYLAR

2 3 PRK10115 AUDIO 3 PMB









SECTION 5

EXPLODED VIEWS AND PARTS LIST

SAFETY PRECAUTION

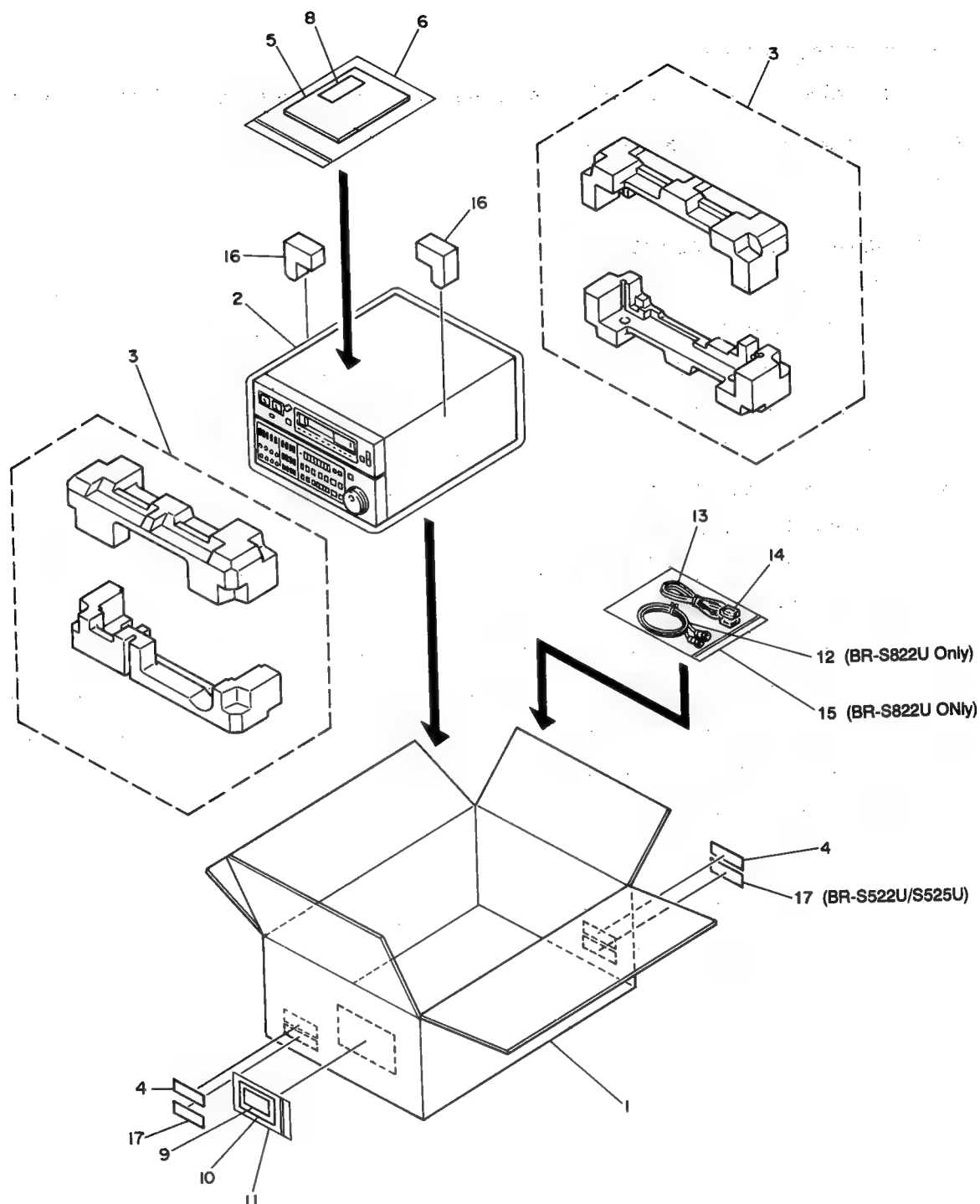
Parts identified by the  symbol are critical for safety. Replace only with specified part numbers.

NOTE: "X " indicates quantity per set.

| EXPLODED PART NUMBER CODING | Page |
|--------------------------------------------------------|------|
| 5.1 PACKING ASSEMBLY <M1> | 5-2 |
| 5.2 CABINET ASSEMBLY <M2> | 5-4 |
| 5.3 CHASSIS ASSEMBLY <M3> | 5-6 |
| 5.4 FRAME ASSEMBLY <M4> | 5-8 |
| 5.5 REAR BRACKET ASSEMBLY <M5> | 5-10 |
| 5.6 MECHANISM 1 ASSEMBLY <M6> | 5-12 |
| 5.7 MECHANISM 2 ASSEMBLY <M7> | 5-14 |
| 5.8 CASSETTE HOUSING <M8> | 5-16 |
| 5.9 DRUM ASSEMBLY <M9A> | 5-18 |
| 5.9.1 Drum assembly (BR-S822U/S622U/S522U) <M9A> | 5-18 |
| 5.9.2 Drum assembly (BR-S525U) <M9B> | 5-18 |
| 5.10 FRONT PANEL assembly | 5-19 |
| 5.10.1 Cassette panel assembly <MA> | 5-19 |
| 5.10.2 Operation panel assembly <MB> | 5-20 |

EXPLODED PART NUMBER CODING

5.1 PACKING ASSEMBLY <M1>



PACKING ASSEMBLY M1

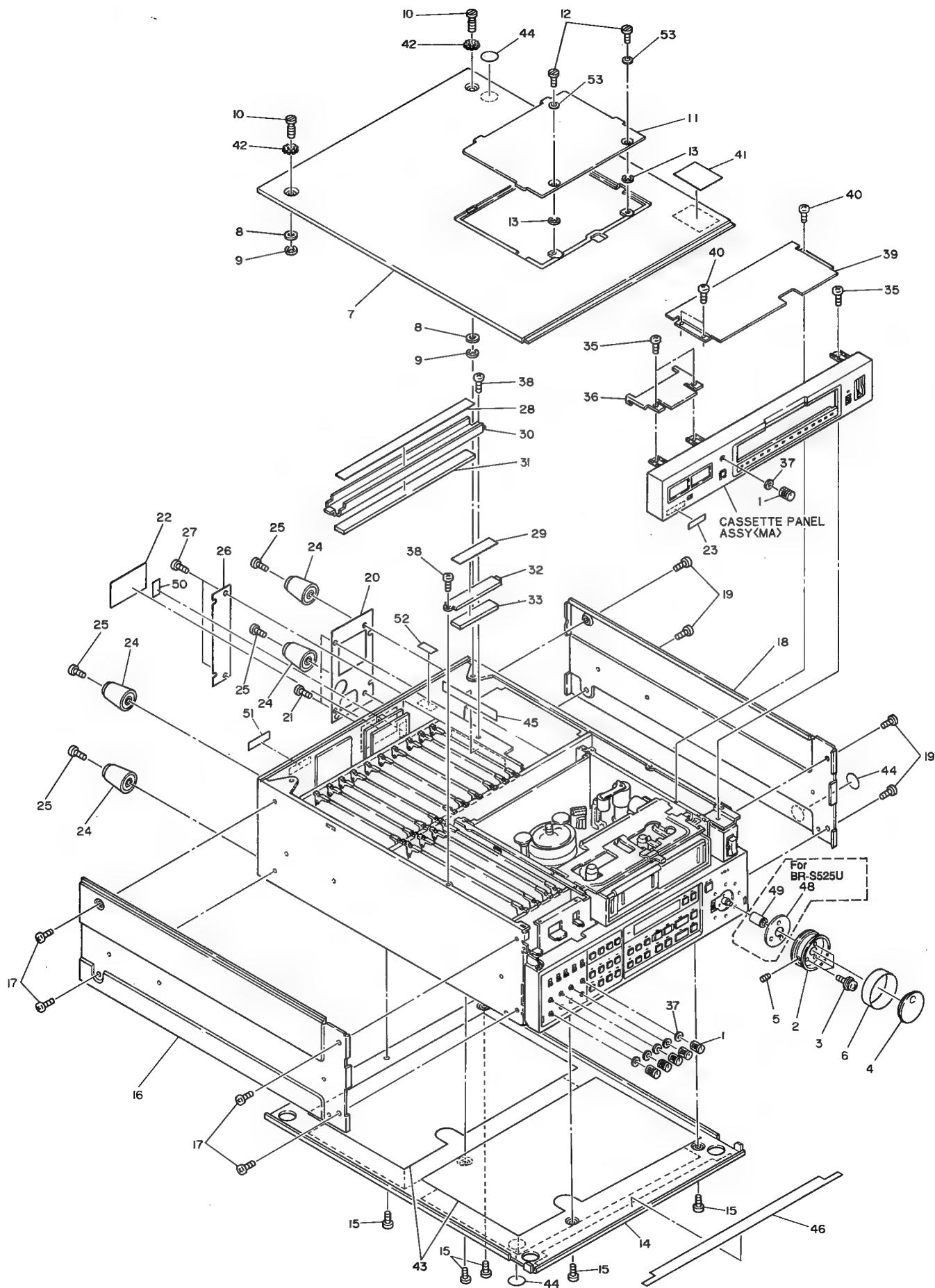
M1MM□□□□

#△ REF No. PART No. PART NAME, DESCRIPTION

PACKING ASSEMBLY <M1>

| | | |
|------|-----------------|---------------------------------|
| 1 | PRD20370-02-01 | PACKING CASE, S822U |
| 1 | PRD20370-04-01 | PACKING CASE, S622U |
| 1 | PRD20370-08 | PACKING CASE, S522U |
| 1 | PRD20370-12 | PACKING CASE, S525U |
| 2 | PGD30005-05 | PE BAG |
| 3 | PRD10251A-02 | CUSHION ASSY |
| 4 | PUP40619 | SERIAL NO.STICKER, X2 |
| △ 5 | PGD30002-258-04 | INSTRUCTIONS, S822U |
| △ 5 | PGD30002-259-03 | INSTRUCTIONS, S622U |
| △ 5 | PGD30002-282-02 | INSTRUCTIONS, S522U |
| △ 5 | PGD30002-294-03 | INSTRUCTIONS, S525U |
| 6 | QPGB024-03404 | POLY BAG |
| △ 8 | PU33941-3-3 | SAFETY CAUTION |
| 9 | BT-20104A | TOLL FREE CARD |
| 10 | BT-20103A | WARRANTY CARD |
| 11 | PU54821 | POLY BAG |
| 12 | PGZ00793-006 | CABLE ASSY, S822U |
| △ 13 | QMP9003-022 | POWER CORD |
| 14 | PUP40003-7 | AIR CAP |
| 15 | QPGB020-02804 | POLY BAG, S822U |
| 16 | PRD30848 | SPACER CUSHION, X2 |
| 17 | PRD43892 | LABEL(PACKING), X2, S522U/S525U |

5.2 CABINET ASSEMBLY <M2>



#△ REF No. PART No. PART NAME, DESCRIPTION

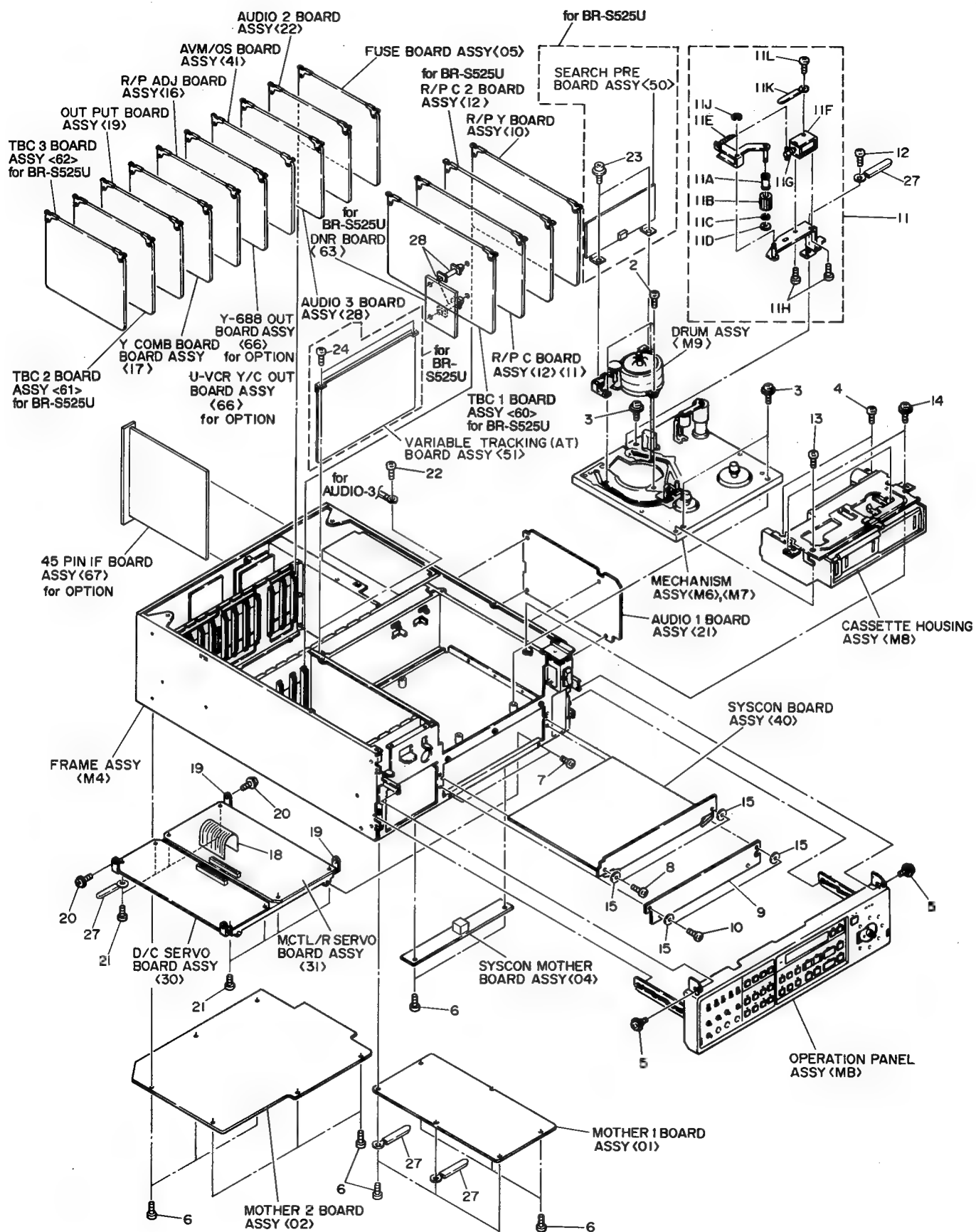
#△ REF No. PART No. PART NAME, DESCRIPTION

CABINET ASSEMBLY <M2>

| | | |
|------|----------------|-----------------------------------|
| 1 | PRD43431A-01 | VR KNOB ASSY, X6 |
| 2 | PRD30196-03 | SEARCH KNOB |
| 3 | DPSP2006Z | SCREW, X3, S822U/S622U/S522U |
| 3 | DPSP2012Z | SCREW, X3, S525U |
| 4 | PRD41819B | JOG KNOB ASSY |
| 5 | YWS3004B | SET SCREW |
| 6 | PRD41818 | TIRE |
| 7 | PRD10247A-03 | TOP COVER ASSY |
| 8 | PGD40255-02 | SPACER, X2 |
| 9 | REE3000 | "E" RING, X2 |
| 10 | PRD30081-03 | COIN SCREW, X2 |
| 11 | PRD30841-01-01 | COVER |
| 12 | PRD30081-01-01 | COIN SCREW, X2 |
| 13 | REE2500 | "E" RING, X2 |
| △ 14 | PRD10232-01-03 | BOTTOM COVER |
| 15 | SDST3008Z | SCREW, X5 |
| △ 16 | PRD10233-01-04 | LEFT SIDE COVER |
| 17 | SDSP4008R | SCREW, X4 |
| △ 18 | PRD10234-01-04 | RIGHT SIDE COVER |
| 19 | SDSP4008R | SCREW, X4 |
| △ 20 | PRD30730-02-04 | REAR PANEL(B) |
| 21 | SDSP3006R | SCREW, X2 |
| △ 22 | PGD30021-59-32 | RATING LABEL, S822U |
| △ 22 | PGD30021-57-32 | RATING LABEL, S622U |
| △ 22 | PRD30085-07-20 | RATING LABEL, S522U |
| △ 22 | PRD30085-13-20 | RATING LABEL, S525U |
| 23 | PQ40111-1-5 | SERIAL NO PLATE |
| 24 | QZF2319-001 | FOOT, X4 |
| 25 | SDSP4018M | SCREW, X4 |
| △ 26 | PRD43423-01-04 | REAR PANEL(C) |
| 27 | SDSP3006R | SCREW, X2 |
| 28 | PRD30802-01-02 | BOARD LABEL(A) |
| 29 | PRD43611-01-02 | BOARD LABEL(B), S822U/S622U/S522U |
| 29 | PRD43611-03 | BOARD LABEL(B), S525U |
| 30 | PRD30840-01-02 | BOARD HOLDER(A) |
| 31 | PRD30030-117 | PAD |
| 32 | PRD44218 | BOARD HOLDER(B) |
| 33 | PRD30030-118 | PAD |
| 35 | SDST3008Z | SCREW, X3 |
| 36 | PRD30835-01-01 | TOP PLATE(L) |
| 37 | PGD40292 | FELT WASHER, X6 |
| 38 | SBST3006Z | SCREW, X2 |
| 39 | PRD20412 | HOUSING COVER |
| 40 | SDST3008Z | SCREW, X3 |
| 41 | PGD41496-04 | LABEL |
| 42 | WBS4000N | WASHER, X2 |
| 43 | PRD30858 | SHEET, X2 |
| △ 44 | PU53146 | CAUTION LABEL, X3 |
| △ 45 | PGD40888 | CAUTION LABEL |
| 46 | PRD30861 | SPACER |
| 48 | PRD44134 | SPACER, S525U |
| 49 | PRD30026-47 | COLLAR, S525U |

| | | |
|------|----------------|---------------|
| △ 50 | SS410172 | CSA LABEL |
| △ | or PGD40147-07 | CSA LABEL |
| 51 | PRD43814 | LABEL(PATENT) |
| △ 52 | PU54551 | CAUTION LABEL |
| 53 | WNB3000N | WASHER, X2 |

5.3 CHASSIS ASSEMBLY <M3>



CHASSIS ASSEMBLY M3

M3MM□□□□

#△ REF No. PART No. PART NAME, DESCRIPTION

CHASSIS ASSEMBLY <M3>

| | | |
|-------|----------------|-----------------------|
| 2 | LPSP2612Z | SCREW, X3 |
| 3 | LPSP4016Z | SCREW, X3 |
| 4 | PRD30027-04 | SCREW, X2 |
| 5 | PRD30082 | FLANGE SCREW, X2 |
| 6 | GBST3006Z | SCREW, X14 |
| 7 | SDST3006M | SCREW, X2 |
| 8 | PRD43457-01-01 | SCREW, X2 |
| 9 | PRD30767 | COVER |
| 10 | PRD43457-01-01 | SPECIAL SCREW, X2 |
| 11 | PRD30797A-03 | HEAD CLEANER ASSY |
| 11A | PRD42664 | CLEANER HOLDER |
| 11B | PRD40510-01-02 | CLEANER |
| 11C | Q03093-829 | WASHER |
| 11D | PQM30017 | SLIT WASHER |
| 11E | PRD30024-62 | TENSION SPRING |
| △ 11F | PU59401-2 | SOLENOID |
| 11G | PRD30023-36 | COMPRESSION SPRING |
| 11H | SPSP2003Z | SCREW, X2 |
| 11J | REE2500 | "E" RING |
| 11K | PU49485-3 | WIRE CLAMP |
| 11L | SPSP2003Z | SCREW |
| 12 | PRD30027-04 | SCREW |
| 13 | SDSP2608Z | SCREW, X2 |
| 14 | GBST3008Z | FLANGE SCREW, X2 |
| 15 | Q03093-517 | WASHER, X4 |
| 18 | PGW0205-040100 | FLAT WIRE |
| 19 | PRD30762-01-02 | BOARD BRACKET, X2 |
| 20 | PRD30082 | FLANGE SCREW, X2 |
| 21 | GBST3006Z | SCREW, X8 |
| 22 | SBST3006Z | SCREW |
| 23 | PRD30027-04 | SCREW, X2, S525U |
| 24 | SDST3008Z | SCREW, X2, S525U |
| 27 | PU49485-4 | WIRE CLAMP, X4 |
| 28 | PGZ01786-02 | PWB SPACER, X2, S525U |

FRAME ASSEMBLY **M4**
M4MM

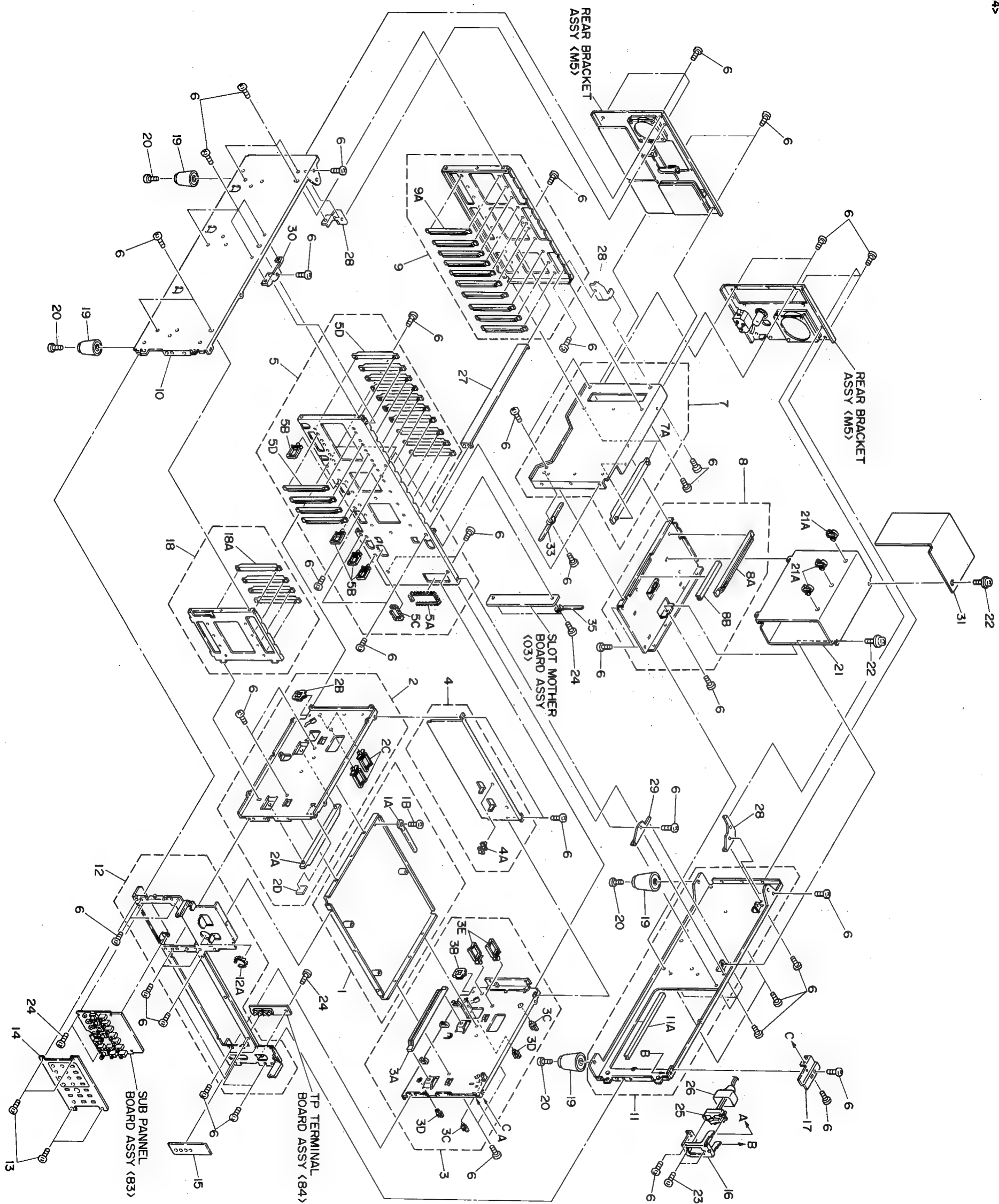
#△ REF No. PART No. PART NAME, DESCRIPTION

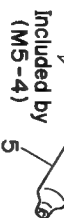
FRAME ASSEMBLY <M4>

| | | |
|------|----------------|---------------------------|
| 1 | PRD20354A-06 | MECHA HOLDER ASSY |
| 1A | PU49485-4 | WIRE CLAMP |
| 1B | SBST3006Z | SCREW |
| 2 | PRD20374A-06 | LEFT STAY ASSY |
| 2A | PGZ00493-03 | GUIDE RAIL |
| 2B | PU49881 | EDGE COVER |
| 2C | PU43147-3 | WIRE SADDLE, X2 |
| 2D | PRD30030-70 | PAD |
| 3 | PRD20375A-07 | RIGHT STAY ASSY |
| 3A | PGZ00493-03 | GUIDE RAIL |
| 3B | PU49881 | EDGE COVER |
| 3C | PGZ00605 | BOARD SPACER, X2 |
| 3D | PGZ00606 | BOARD HOLDER, X2 |
| 3E | PU43147-3 | WIRE SADDLE, X2 |
| 4 | PRD20378B | CENTER BRACKET ASSY |
| 4A | PU48016-2 | M CLAMP |
| 5 | PRD20366A-07 | CENTER FRAME ASSY |
| 5A | PU43172-9-120 | NYLON GROMMET |
| 5B | PGZ00452-02 | WIRE CLAMP, X4 |
| 5C | PU43172-9-65 | NYLON GROMMET |
| 5D | PGZ00493-02 | GUIDE RAIL, X14 |
| 6 | SBST3006Z | SCREW, X65 |
| 7 | PRD20376A-01 | GUIDE FRAME ASSY |
| 7A | PGZ00493-03 | GUIDE RAIL |
| 8 | PRD20377A-03 | POWER FRAME ASSY |
| 8A | PGZ00493-03 | GUIDE RAIL |
| 8B | PU43135-1-100 | NYLON EDGGING |
| 9 | PRD20367A-03 | REAR FRAME(C)ASSY |
| 9A | PGZ00493-02 | GUIDE RAIL, X10 |
| 10 | PRD10237-01-03 | LEFT SIDE FRAME |
| 11 | PRD10273A-01 | RIGHT SIDE FRAME ASSY |
| 11A | PU43153-1-200 | NYLON EDGGING |
| 12 | PRD10248A-04 | FRONT FRAME ASSY |
| 12A | PU43172-9-89 | NYLON GROMMET |
| 13 | SPST3006M | SCREW, X4 |
| 14 | PRD30736-03-05 | SUB PANEL(A), S822U/S622U |
| 14 | PRD30736-02-05 | SUB PANEL(A), S522U |
| 14 | PRD30736-04-05 | SUB PANEL(A), S525U |
| 15 | PRD43433 | SUB PANEL(B) |
| 16 | PRD30739-01-04 | POWER SWITCH BRACKET ASSY |
| 17 | PRD43708 | TOP PLATE(R) |
| 18 | PRD30743A-01 | FRONT BRACKET ASSY |
| 18A | PGZ00493-02 | GUIDE RAIL, X4 |
| 19 | PRD43816 | FOOT, X4 |
| 20 | SBST3010Z | SCREW, X4 |
| △ 21 | PGZ01459-01-05 | SWITCHING REGULATOR |
| 21A | PU59311 | WIRE CLAMP, X3 |
| 22 | DPSP4008Z | ASSY SCREW, X2 |
| 23 | LPSP3006Z | SCREW, X2 |
| 24 | GBST3006Z | ASSY SCREW, X5 |
| △ 25 | PGZ00479 | SEESAW SWITCH |
| △ 26 | PRD42023 | SWITCH COVER |
| 27 | PRD30836 | CONNECTOR STAY |
| 28 | PRD43700 | CORNER BRACKET, X3 |

#△ REF No. PART No. PART NAME, DESCRIPTION

| | | |
|------|-------------|------------|
| 29 | PRD43709 | BRACKET |
| 30 | PRD43709-02 | BRACKET |
| △ 31 | PRD30857 | INSULATOR |
| 33 | PU49486 | WIRE CLAMP |
| 35 | PU49485-2 | WIRE CLAMP |





REAR BRACKET ASSEMBLY M5

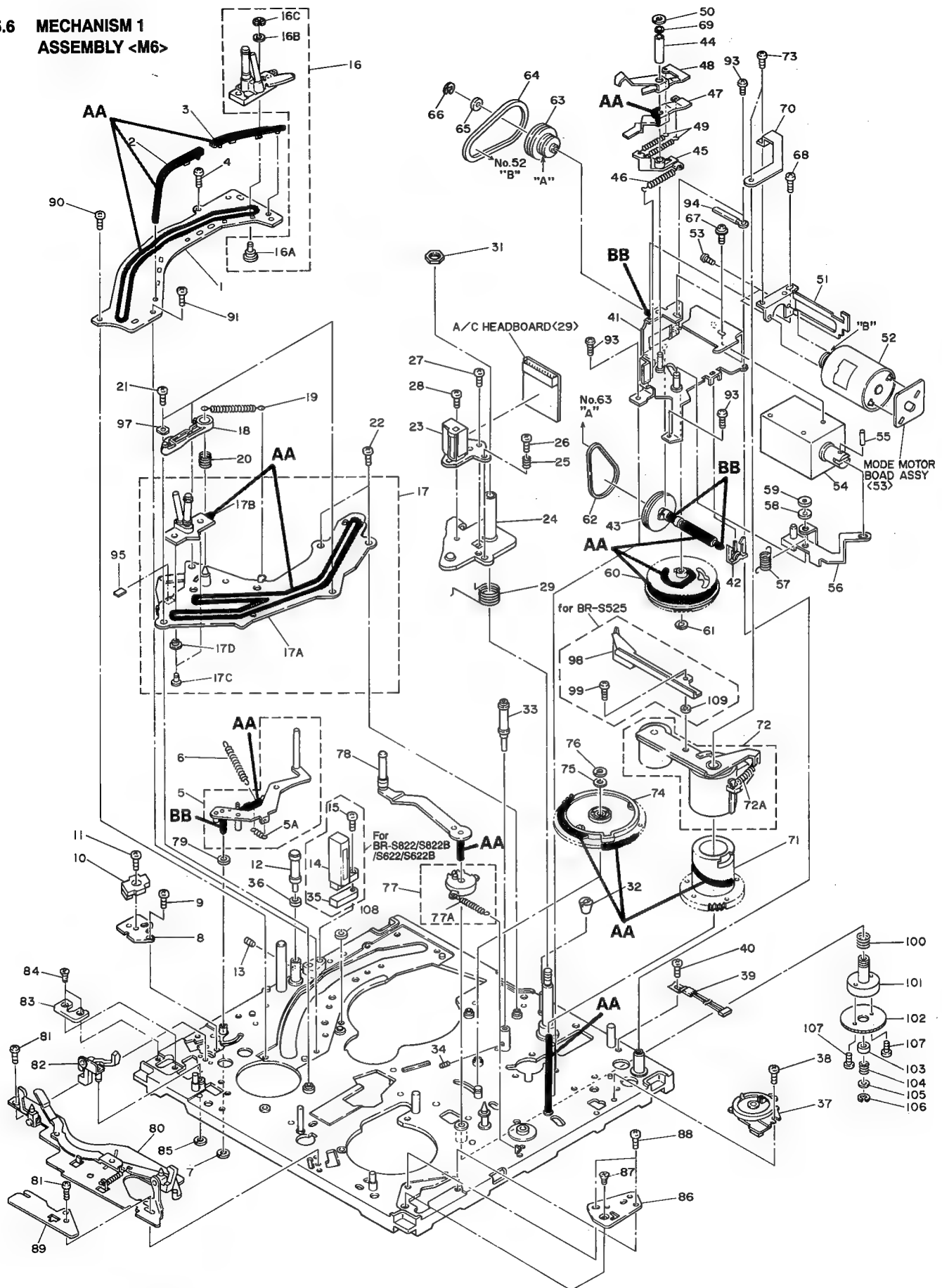
M5MM□□□□

#△ REF No. PART No. PART NAME, DESCRIPTION

REAR BRACKET ASSEMBLY <M5>

| | | |
|------|----------------|-------------------------------------|
| 1 | PRD20365-01-04 | REAR FRAME(B) |
| △ 2 | PGZ00760 | AC INLET |
| 3 | QXT695H-025 | V.TUBE, X3 |
| △ 4 | QMG0301-004 | FUSE HOLDER |
| △ 5 | PU50316 | FUSE COVER |
| △ 6 | DPSP4008N | SCREW |
| △ 7 | PGZ01137 | FAN MOTOR |
| △ | or PGZ01974 | FAN MOTOR |
| 9 | SDSP3025R | SCREW, X2 |
| | or SDSP3035R | SCREW, X2 |
| 10 | PRD43465-02 | FAN GUARD |
| 11 | PGZ01822 | REAR FRAME(A) ASSY, S822U/S622U |
| 11 | PGZ01822-02 | REAR FRAME(A) ASSY, S522U/S525U |
| 12 | PGZ01729 | 7P CONNECTOR, S822U/S622U INCL.11 |
| | or PGZ00592 | 7P CONNECTOR, S822U/S622U INCL.11 |
| 13 | PGZ01730 | 7P CONNECTOR(OUT), X3 INCL.11 |
| | or PGZ00593 | 7P CONNECTOR(OUT), X3 INCL.11 |
| 14 | PGZ01208 | XLR CONNECTOR, MALE |
| 15 | PGZ01209 | XLR CONNECTOR, FEMALE (S822U/S622U) |
| 16 | PGZ01733 | 9P CONNECTOR, REMOTE, INCL.11 |
| | or PGZ00915 | 9P CONNECTOR, REMOTE, INCL.11 |
| 17 | PGZ01734 | SPRING LOCK, X2, S822U/S622U/S522U |
| | or PGZ00924 | SPRING LOCK, X2, S822U/S622U/S522U |
| 17 | PGZ01734 | SPRING LOCK, X4, S525U INCL.11 |
| | or PGZ00924 | SPRING LOCK, X4, S525U INCL.11 |
| 18 | PGZ01735 | SCREW, 2 IN 1 INCL.11 |
| | or PGZ00925 | SCREW, 2 IN 1 INCL.11 |
| △ 19 | PGZ01137 | FAN MOTOR |
| | or PGZ01974 | FAN MOTOR |
| 21 | SDSP3025R | SCREW, X2 |
| △ 22 | PRD43424-01-04 | REAR PANEL(D), S822U/S622U/S522U |
| 22 | PGZ01698-01-01 | REAR PANEL(D)ASSY, S525U |
| 23 | PGZ00440 | BNC CONNECTOR, X3, S525U |
| 24 | PU48611 | RING, X3, S525U |
| 25 | Q03093-439 | WASHER, X3, S525U |
| 26 | PGZ00755 | 15P CONNECTOR, TBC REMOTE |
| 26 | PGZ01732 | 15P CONNECTOR(D), S525U |
| △ 27 | PRD30729-02-06 | REAR PANEL(A), S822U/S622U |
| 27 | PRD30729-04 | REAR PANEL(A), S522U |
| △ 27 | PRD30729-04-06 | REAR PANEL(A), S525U |
| 28 | SDSP3006R | SCREW, X4 |
| 29 | PRD43465-02 | FAN GUARD |
| 30 | GBST3006Z | SCREW, X3 |
| 31 | SPSP2605N | SCREW, X10, S822U/S622U |
| 31 | SPSP2605N | SCREW, X5, S522U/S525U |
| 32 | SDSP3006R | SCREW, X4 |
| 33 | WNS3000N | WASHER, X4 |
| 34 | WLS3000N | L.WASHER, X4 |
| 35 | NFS3000Z | NUT, X4 |
| 36 | PGZ01086 | FLAT CABLE CLIP, S822U/S622U/S522U |
| 38 | PRD30083-03 | SPACER, X2, S522U/S525U |
| 39 | PGZ01769-05 | FERRITE CORE, S522U/S525U |
| △ F1 | QMF51J1-3R15N | FUSET3.1A |

5.6 MECHANISM 1 ASSEMBLY <M6>



| Category | JVC part number | MARK |
|----------|-----------------|------|
| Grease | MOS2-C | AA |
| Oil | COSMO-HV56 | BB |

NOTE: The section marked in **AA** and **BB** indicate lubrication and greasing areas.

MECHANISM 1 ASSEMBLY



#REF No. PART No. PART NAME, DESCRIPTION

MECHANISM 1 ASSEMBLY <M6>

| | | |
|-----|----------------|------------------------------|
| 1 | PRD30764-01-05 | SUB DECK(S) |
| 2 | PQ33994 | GUIDE RAIL 1(S) |
| 3 | PQ33995 | GUIDE RAIL 2(S) |
| 4 | SDST2605Z | SCREW |
| 5 | PRD44024B-02 | TENSION ARM ASSY |
| 5A | PRD30024-65 | TENSION SPRING |
| 6 | PRD43714 | TENSION SPRING |
| 7 | PQM30017 | SLIT WASHER |
| 8 | PRD43466-01-02 | TENSION SENSOR BASE |
| 9 | SDSP2004Z | SCREW |
| 10 | PUB1338 | TENSION SENSOR |
| 11 | SDSP2604Z | SCREW |
| 12 | PRD43721A | GUIDE ROLLER ASSY |
| 13 | YFS2603B | SET SCREW |
| 14 | PGZ01841 | FULL ERASE HEAD, S822U/S622U |
| 15 | SDSP2614Z | SCREW, S822U/S622U |
| 16 | PRD30821E | POLE BASE (SUPPLY) ASSY |
| 16A | PRD43671-01-02 | STOPPER(S2) |
| 16B | Q03093-829 | WASHER |
| 16C | REE1500 | "E" RING |
| 17 | PRD43747A-06 | LOADING (TAKE-UP) ASSY |
| 17A | PRD43746A-03 | GUIDE RAIL ASSY |
| 17B | PRD30864B | POLE BASE (TAKE-UP) ASSY |
| 17C | PRD43819 | SPECIAL SCREW, X2 |
| 17D | PRD43875 | COLLAR |
| 18 | PQ34000 | C.GUIDE ARM |
| 19 | PQM30001-317 | TENSION SPRING |
| 20 | PQM30002-207 | C SPRING |

| | | |
|----|--------------|--------------------|
| 21 | SDST2605Z | SCREW, X3 |
| 22 | SDST2608Z | SCREW, X2 |
| 23 | PGZ01840 | AUDIO/CONTROL HEAD |
| 24 | PRD44167A | HEAD ARM ASSY |
| 25 | PQM30002-197 | COMPRESSION SPRING |
| 26 | SDSP2612Z | SCREW |
| 27 | PQ44621 | SPECIAL SCREW |
| 28 | PQ43687B | SPECIAL SCREW |
| 29 | PQ44119 | TORSION SPRING |

| | | |
|----|--------------|-----------------------------------|
| 31 | PQ40353 | NYLON NUT |
| 32 | PRD44241 | TAPER NUT |
| 33 | PRD44151A-01 | GUIDE ROLLER ASSY |
| 34 | PQ45295 | SPECIAL SCREW |
| 35 | PQ45325 | FULL ERASE HEAD BASE, S822U/S622U |
| 36 | PQ45294 | "O" RING |
| 37 | PUB1339-1-1 | ROTARY ENCODER |
| 38 | SDSP2004Z | SCREW |
| 39 | PUB1357 | DEW SENSOR |
| 40 | SDSP2004Z | SCREW |

| | | |
|------|-------------|-----------------------|
| 41 - | PRD44105A | SOLENOID BRACKET ASSY |
| 42 | PQ44129 | WORM BEARING 2 |
| 43 | PRD44122A | W.GEAR ASSY |
| 44 | PRD44108 | COLLAR |
| 45 | PQ33992-1-1 | LOCK LEVER 1 |



#REF No. PART No. PART NAME, DESCRIPTION

| | | |
|----|--------------|---------------------|
| 46 | PQM30001-313 | TENSION SPRING |
| 47 | PRD44109 | LOCK LEVER 2 |
| 48 | PRD30972 | LOCK LEVER 3 |
| 49 | PQM30001-314 | TENSION SPRING, X2 |
| 50 | PQM30017-6 | SLIT WASHER |
| 51 | PRD30969 | MOTOR BRACKET |
| 52 | PRD44123A | MODE MOTOR ASSY |
| 53 | SPSP3003Z | SCREW, X2 |
| 54 | PGZ01845-02 | SOLENOID |
| 55 | PSE3010 | SPRING PIN |
| 56 | PRD44106A | SOLENOID LEVER ASSY |
| 57 | PRD44113 | TORSION SPRING |
| 58 | Q03093-818 | WASHER |
| 59 | PQM30017-12 | SLIT WASHER |
| 60 | PQ21313-1-1 | CAM GEAR |

| | | |
|----|-------------|----------------|
| 61 | PQM30017-12 | SLT WASHER |
| 62 | PRD30022-17 | BELT |
| 63 | PRD43968 | CONNECT PULLEY |
| 64 | PRD30022-18 | BELT |
| 65 | Q03093-829 | WASHER |
| 66 | REE1200 | E RING |
| 67 | DPSP3005Z | SCREW, X2 |
| 68 | SDSP2604Z | SCREW |
| 69 | Q03093-825 | WASHER |
| 70 | PRD44103 | ARM |

| | | |
|-----|-----------------|------------------------------------------|
| 71 | PQ21312 | PROLLER CAM |
| 72 | PRD43387A-01 | PINCH ROLLER ARM ASSY, S822U/S622U/S525U |
| | or PRD43387B-01 | PINCH ROLLER ARM ASSY, S822U/S622U/S525U |
| 72 | PRD43387C | PINCH ROLLER ARM ASSY, S525U |
| | or PRD43387D | PINCH ROLLER ARM ASSY, S525U |
| 72A | PRD30024-60 | TENSION SPRING |
| 73 | SDSP2605Z | SCREW, X2 |
| 74 | PQ21315-1-2 | CONTROL CAM |
| 75 | Q03093-849 | WASHER |
| 76 | PQM30017-28 | SLIT WASHER |
| 77 | PRD43791A-01 | GUIDE ARM GEAR ASSY |
| 77A | PRD30024-64 | TENSION SPRING |
| 78 | PRD43404D-04 | GUIDE ARM ASSY |
| 79 | Q03093-838 | WASHER |
| 80 | PRD44248A | G.PIN ASSY |

| | | |
|----|------------|-------------------|
| 81 | SDSP2605Z | SCREW, X2 |
| 82 | PRD44184A | REC. SAFETY ASSY |
| 83 | PRD43890 | SOCKET L |
| 84 | SSSP2604Z | SCREW, X2 |
| 85 | PQM30017-6 | SLIT WASHER |
| 86 | PRD43889 | SOCKET R |
| 87 | SSSP2604Z | SCREW |
| 88 | SDSP2604Z | SCREW, X2 |
| 89 | PRD44243A | ADJUST PLATE ASSY |
| 90 | SDSP2608M | SCREW |

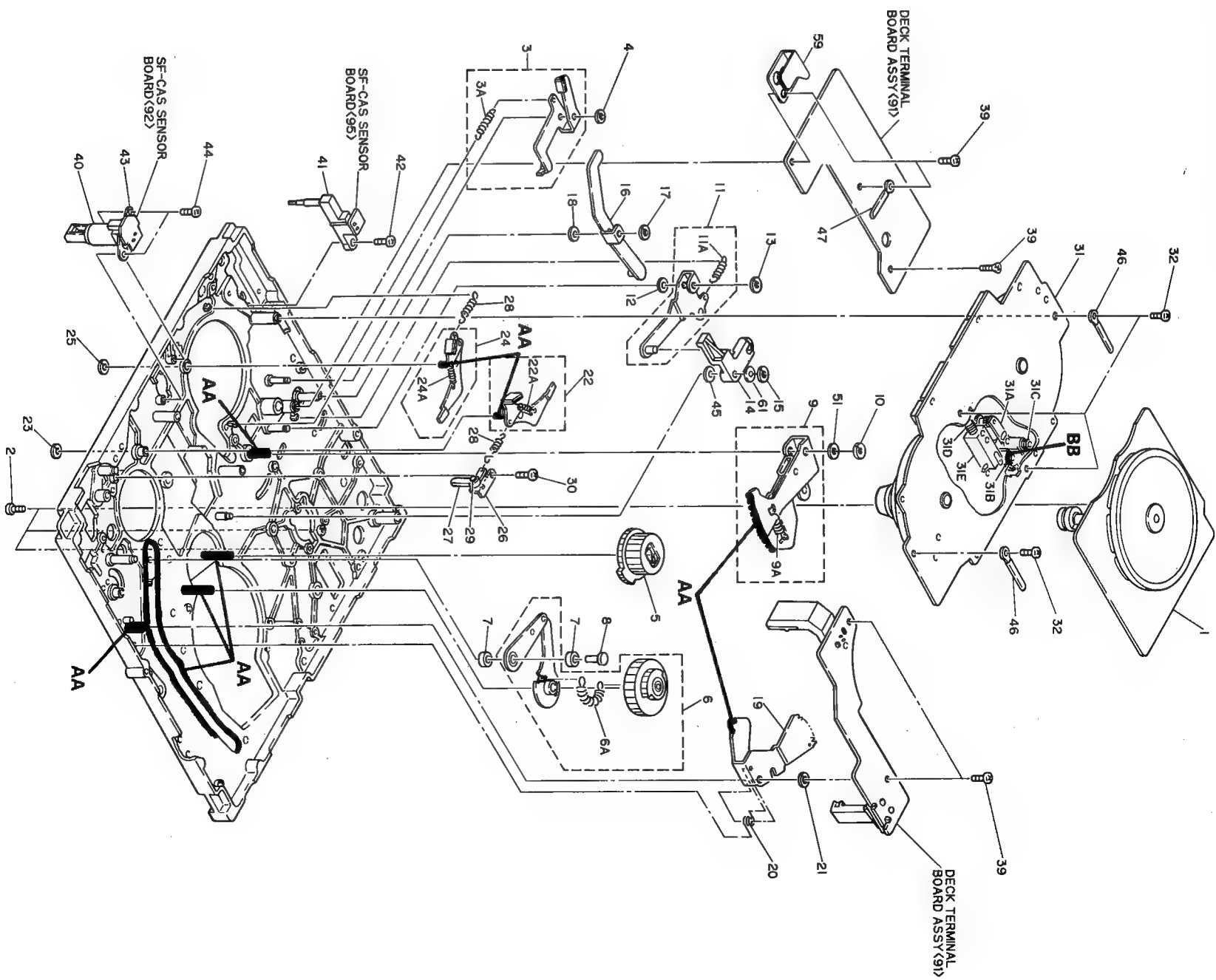
| | | |
|----|-----------|------------|
| 91 | SPSH2635M | MINI SCREW |
| 93 | SDST2605Z | SCREW, X4 |
| 94 | PU49485-4 | WIRE CLAMP |
| 95 | PRD43826 | SPACER |



#REF No. PART No. PART NAME, DESCRIPTION

| | | |
|-----|----------------|----------------------|
| 97 | PRD44013-02 | STOPPER PLATE |
| 98 | PRD43901-01-02 | NOISE SHUTTER, S525U |
| 99 | DPSP3006Z | SCREW, S525U |
| 100 | PRD30023-48 | COMPRESSION SPRING |
| 101 | PRD43800 | BUSHING |
| 102 | PRD43802 | ADJUST GEAR |
| 103 | PRD43804 | COLLAR |
| 104 | PRD30023-49 | COMPRESSION SPRING |
| 105 | WSS3000Z | WASHER |
| 106 | REE2500 | "E" RING |
| 107 | SPSP2004Z | SCREW, X2 |
| 108 | PRD44141 | SPACER |
| 109 | PRD30029-05 | WASHER, S525U |

5.7 MECHANISM 2 ASSEMBLY <M7>



NOTE: The section marked in **AA** and **BB** indicate lubrication and greasing areas.

| Category | JVC part number | MARK |
|----------|-----------------|------|
| Grease | MOS2-C | AA |
| Oil | COSMO-HV56 | BB |

MECHANISM 2 ASSEMBLY **M7****M7MM** □ □ □ □#**△** REF No. PART No. PART NAME, DESCRIPTION#**△** REF No. PART No. PART NAME, DESCRIPTION

MECHANISM 2 ASSEMBLY <M7>

| | | |
|-------------|----------------|--------------------|
| △ 1 | PGZ01535-01-01 | CAPSTAN MOTOR |
| 2 | SDSP2608Z | SCREW, X3 |
| 3 | PRD43479A-01 | R.BRAKE ASS'Y |
| 3A | PRD30024-58 | TENSION SPRING |
| 4 | PQM30017-6 | SLIT WASHER |
| 5 | PQ34033 | LOADING GEAR(T) |
| 6 | PRD43473A-03 | L.GEAR(S)ASS'Y |
| 6A | PQM30001-318 | TENSION SPRING |
| 7 | PRD44019 | COLLAR |
| 8 | PRD43818 | SPECIAL SCREW |
| 9 | PQ45306B-3 | ARM GEAR ASS'Y |
| 9A | PQM30001-320 | TENSION SPRING |
| 10 | REE3000 | "E"RING |
| 11 | PQ45304A | F.L.LEVER ASS'Y |
| 11A | PQM30001-319 | TENSION SPRING |
| 12 | Q03093-825 | WASHER |
| 13 | PQM30017-6 | SLIT WASHER |
| 14 | PQ34005-1-2 | LOCK ARM |
| 15 | PQM30017-6 | SLIT WASHER |
| 16 | PRD43464A | C.H.LEVER ASS'Y |
| 17 | PQM30017-6 | SLIT WASHER |
| 18 | Q03093-825 | WASHER |
| 19 | PQ34007 | CANCEL LEVER |
| 20 | PQ45313 | TORSION SPRING |
| 21 | PQM30017-12 | SLIT WASHER |
| 22 | PRD43388A-02 | B.LEVER(L)ASS'Y |
| 22A | PRD30024-53 | TENSION SPRING |
| 23 | PQM30017-6 | SLIT WASHER |
| 24 | PRD43395A-02 | B.LEVER(R)ASS'Y |
| 24A | PRD30024-53 | TENSION SPRING |
| 25 | PQM30017-6 | SLIT WASHER |
| 26 | PRD43397A-01 | LEVER BASE ASSY |
| 27 | PRD43400 | F/C LEVER |
| 28 | PRD43401 | TENSION SPRING, X2 |
| 29 | PQM30017-25 | SLIT WASHER |
| 30 | SDST2604Z | SCREW |
| △ 31 | PGZ01541A-04 | REEL MOTOR |
| 31A | PGZ01541-001 | IDLER GEAR ASSY |
| 31B | PGZ01541-002 | LED HOLDER ASSY |
| 31C | PGZ01541-003 | COMPRESSION SPRING |
| 31D | PGZ01541-004 | COMPRESSION SPRING |
| 31E | PGZ01541-005 | SOLENOID |
| 32 | SDST2606Z | SCREW, X4 |
| 39 | SDST2605Z | SCREW, X5 |
| 40 | PU61174 | CASSETTE SWITCH |

| | | |
|----|----------------|-----------------|
| 41 | PU61008 | CASSETTE SWITCH |
| 42 | SDSP2605Z | SCREW |
| 43 | PRD43467-01-01 | C.S.SW BASE |
| 44 | SDST2605Z | SCREW, X2 |
| 45 | Q03093-825 | WASHER |
| 46 | PU49485-4 | WIRE CLAMP, X2 |
| 47 | PU49485-4 | WIRE CLAMP |
| 51 | Q03093-833 | WASHER |
| 59 | PRD44006A | STOPPER ASSY |

CASSETTE HOUSING ASSEMBLY M8

M8MM□□□□

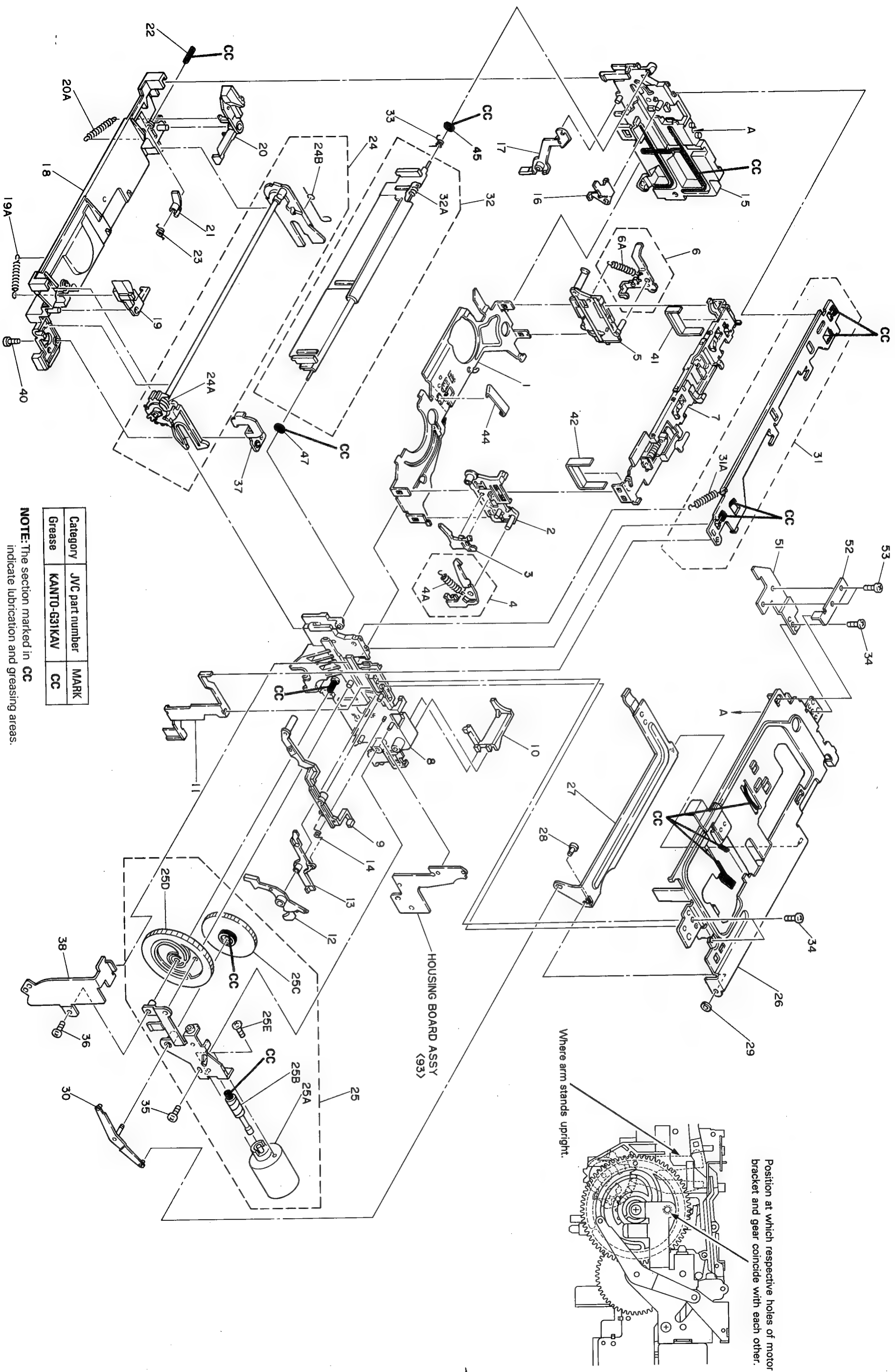
#△ REF No. PART No. PART NAME, DESCRIPTION

CASSETTE HOUSING ASSEMBLY <M8>

| | | |
|-----|---------------|-----------------------|
| 0 | PGS20745B-18 | CASSETTE HOUSING ASSY |
| 1 | PQ34092A-03 | CASSETTE HOLDER ASSY |
| 2 | PQ11278-01-01 | SIDE HOLDER(R) |
| 3 | PQ45459 | LID OPENER |
| 4 | PQ43596A-5 | LOCK LEVER(R) ASSY |
| 4A | PQ43597-1-5 | TENSION SPRING |
| 5 | PQ11279 | SIDE HOLDER(L) |
| 6 | PQ45539A-01 | LOCK LEVER(L) ASSY |
| 6A | PQ43597-2 | TENSION SPRING |
| 7 | PQ21327A-09 | HOLDER STAY ASSY |
| 8 | PQ11281-01-06 | HOUSING STAY(R) |
| 9 | PQ34096 | DOOR SENSOR |
| 10 | PQ34097 | LID GUIDE |
| 11 | PQ45477 | FC CHENGE LEVER |
| 12 | PQ34098 | SENSOR LEVER |
| 13 | PQ34099 | C INSERT LEVER |
| 14 | PQ45478 | TORSION SPRING |
| 15 | PQ11282-01-07 | HOUSING STAY(L) |
| 16 | PQ45479-01-02 | DOOR STOPPER |
| 17 | PQ34100 | DOOR OPENER |
| 18 | PQ11283-01-03 | FRONT BRACKET |
| 19 | PQ45480A-02 | DOOR LOCK(R) ASSY |
| 19A | PQM30001-340 | TENSION SPRING |
| 20 | PQ45481A-03 | DOOR LOCK(L) ASSY |
| 20A | PQM30001-340 | TENSION SPRING |
| 21 | PQ45482 | C DOOR LOCK |
| 22 | PQM30015-93 | SHAFT |
| 23 | PQ45483-01-01 | TORSION SPRING |
| 24 | PQ34103A-04 | MAIN ARM ASSY |
| 24A | PRD43806 | TORSION SPRING |
| 24B | PQ43605 | TORSION SPRING |
| 25 | PQ34107A-03 | DRIVE UNIT ASSY |
| 25A | PQ45489A | MOTOR ASSY |
| 25B | PQ45474 | WORM GEAR |
| 25C | PQ34109-01-01 | CONNECT GEAR |
| 25D | PQ34110-01-01 | IDLER CAM |
| 25E | SPSP3003Z | SCREW, X2 |
| 26 | PQ34111A-05 | TOP FRAME ASSY |
| 27 | PQ34112A-01 | HOLD PLATE ASSY |
| 28 | PQ45464 | PIN |
| 29 | PQM30017-25 | SLIT WASHER |
| 30 | PQ45493A | HOLD LEVER ASSY |
| 31 | PQ34128A-02 | FC PLATE ASSY |
| 31A | PQM30001-341 | TENSION SPRING |
| 32 | PQ34114A-08 | DOOR ASSY |
| 32A | PQ45496-01-02 | TORSION SPRING |
| 33 | PRD44021 | TORSION SPRING |
| 34 | SDSF2606Z | SCREW, X3 |
| 35 | SDSF2608Z | SCREW, X1 |
| 36 | SDSF2612Z | SCREW |
| 37 | PRD43729 | BASE BRACKET |
| 38 | PRD43730 | GEAR BRACKET |
| 40 | SDSP2603Z | SCREW |

#△ REF No. PART No. PART NAME, DESCRIPTION

| | | |
|----|----------------|----------------|
| 41 | PRD43776-01-01 | TEPHRON SHEET |
| 42 | PRD43776-02-01 | TEPHRON SHEET |
| 44 | PRD30030-87 | PAD |
| 45 | Q03093-828 | WASHER |
| 46 | PRD30030-71 | PAD |
| 47 | Q03093-826 | WASHER |
| 48 | PRD30030-72 | PAD |
| 51 | PRD44177 | C DOOR STOPPER |
| 52 | PRD44178 | STOPPER |
| 53 | SDSP2603Z | SCREW, X2 |

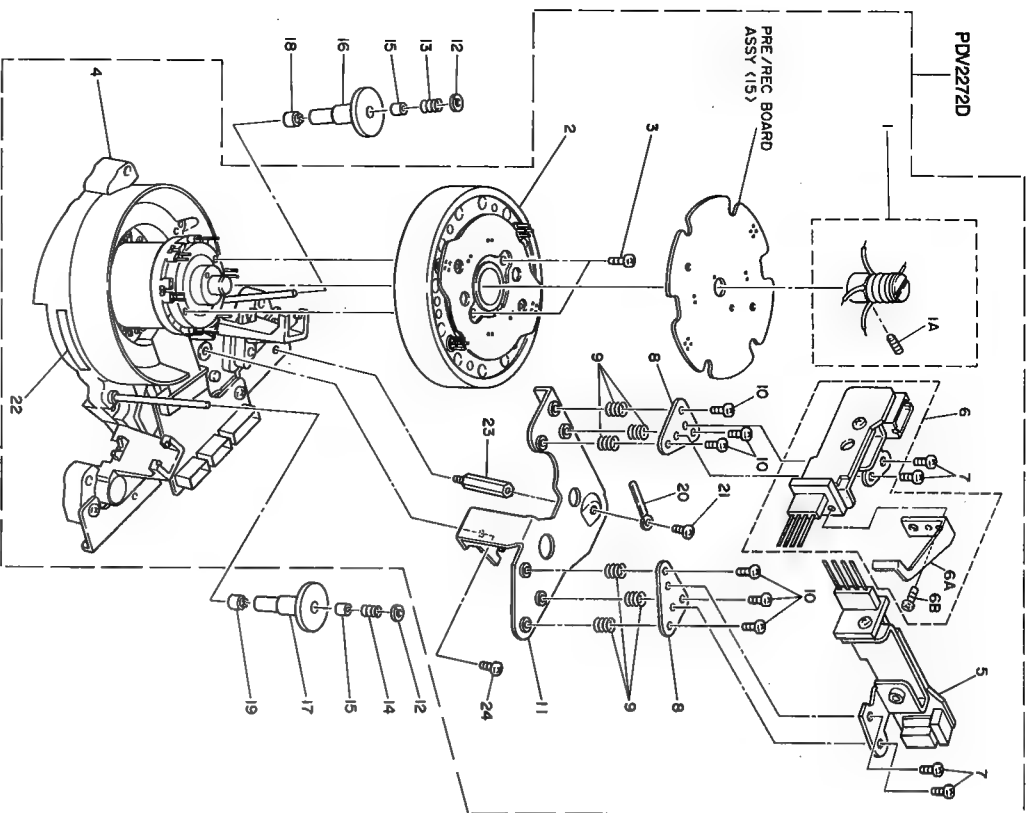


| Category | JVC part number | MARK |
|----------|-----------------|------|
| Grease | KANTO-G31KAV | CC |

NOTE: The section marked in CC indicate lubrication and greasing areas.

DRUM ASSEMBLY <M9A>

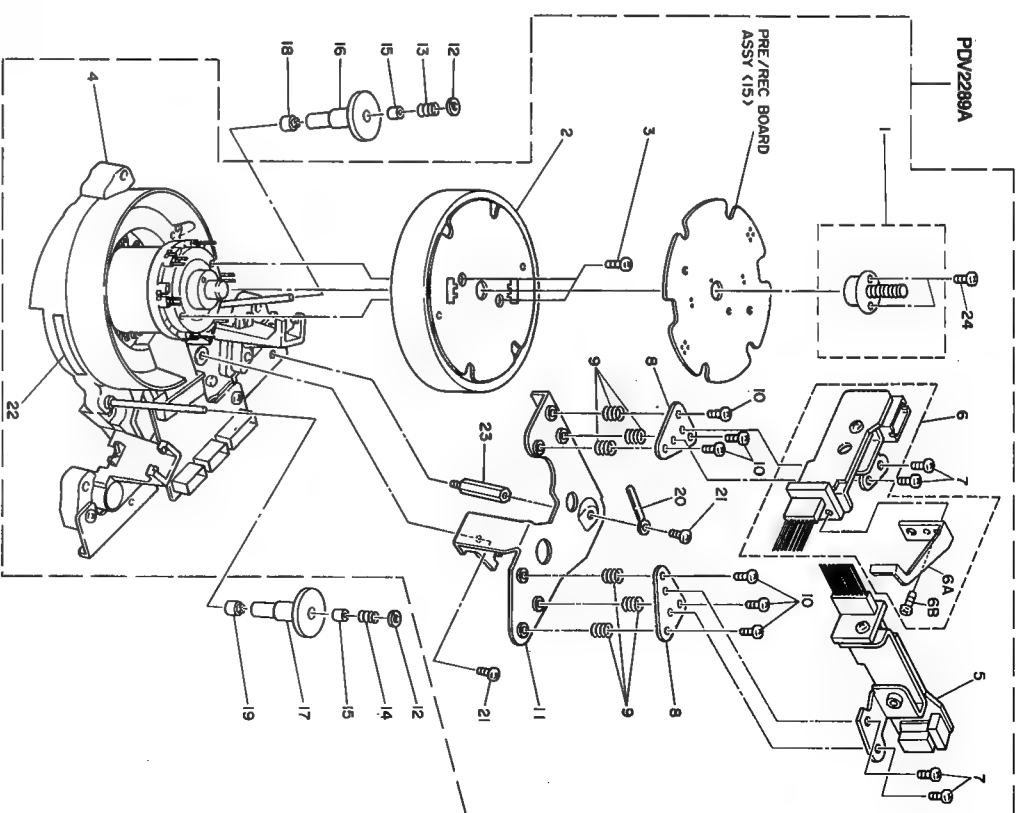
1.1 Drum assembly (BR-S622U/S622U/S522U) <M9A>



ASSEMBLY (S822U/S622U/S522U) M9A

| o. PART NO. | PART NAME, DESCRIPTION | #Δ REF No. | PART No. | PART NAME, DESCRIPTION |
|-------------|------------------------|------------|----------------|-----------------------------------|
| ***** | ***** | 8 | PRD43978 | M.PLATE, X2 |
| ***** | ***** | 9 | PRD30023-51 | COMPRESSION SPRING, X6 |
| ***** | ***** | 10 | BYS2606FS | S.BOLT, X6 |
| ***** | ***** | 11 | PRD30921 | BRUSH BASE |
| ***** | ***** | 12 | PQM30017-25 | SLIT WASHER, X2 NOT INCL. |
| ***** | ***** | 13 | PRD30023-42 | COMPRESSION SPRING(S), NOT INCL. |
| ***** | ***** | 14 | PRD30023-43 | COMP. SPRING(T), NOT INCL. |
| ***** | ***** | 15 | PRD43675 | COLLAR, X2 NOT INCL. |
| ***** | ***** | 16 | PGZ01667 | INERTIA ROLLER ASSY(S), NOT INCL. |
| ***** | ***** | 17 | PGZ01667-02 | INERTIA ROLLER ASSY(T), NOT INCL. |
| ***** | ***** | 18 | PRD43675-02 | COLLAR(S), NOT INCL. |
| ***** | ***** | 19 | PRD43675-03-01 | COLLAR(T), NOT INCL. |
| ***** | ***** | 20 | PU49485-3 | WIRE CLAMP |
| ***** | ***** | 21 | PRD30027-04 | SCREW |
| ***** | ***** | 22 | PDM4067 | PART NO. LABEL |
| ***** | ***** | 23 | PRD43979 | STUD |
| ***** | ***** | 24 | PRD30027-04 | SPECIAL SCREW |

5.9.2 Drum assembly (BR-S525U) <M9B>



DRUM ASSEMBLY (S525U) M9B

| #Δ REF No. | PART No. | PART NAME, DESCRIPTION | #Δ REF No. | PART No. | PART NAME, DESCRIPTION |
|------------|----------|------------------------|------------|----------------|-----------------------------------|
| ***** | ***** | ***** | 11 | PRD30921-02 | BRUSH BASE |
| ***** | ***** | ***** | 12 | PQM30017-25 | SLIT WASHER, X2 NOT INCL. |
| ***** | ***** | ***** | 13 | PRD30023-42 | COMPRESSION SPRING(S) NOT INCL. |
| ***** | ***** | ***** | 14 | PRD30023-52 | COMP SPRING (T) NOT INCL. |
| ***** | ***** | ***** | 15 | PRD43675 | COLLAR, X2 |
| ***** | ***** | ***** | 16 | PGZ01667-04 | INERTIA ROLLER ASSY(S) |
| ***** | ***** | ***** | 17 | PGZ01667-03 | INERTIA ROLLER ASSY(T), NOT INCL. |
| ***** | ***** | ***** | 18 | PRD43675-02 | COLLAR (S) NOT INCL. |
| ***** | ***** | ***** | 19 | PRD43675-03-01 | COLLAR (T) NOT INCL. |
| ***** | ***** | ***** | 20 | PU49485-3 | WIRE CLAMP |
| ***** | ***** | ***** | 21 | PRD30027-04 | SPECIAL SCREW, X2 |
| ***** | ***** | ***** | 22 | PDM4067 | PART NO. LABEL |
| ***** | ***** | ***** | 23 | PRD43979 | STUD |
| ***** | ***** | ***** | 24 | SPBK1711M | SCREW, X2 |

SECTION 6

ELECTRICAL PARTS LIST

Notes:

- Parts identified by the Δ symbol critical for safety. Replace only with parts having the specified parts numbers.
- Since this section only the following boards which are different from those of original models.
 - MOTHER-1 board
 - MOTHER-2 board
 - AUDIO-3 board
 - AVM/ON SCREEN board

For other board assemblies, refer to the service manual No. 9246C for the BR-S822U/BR-S622U/BR-S522U, No. 9272 for the BR-S525U.

- In case Model Name(Example:S822U)indicate on the header or Part Name column of the P.C. board assembly lists, event the part or the P.C. board assembly is for exclusive use of the specified models.

Example 1 :

R147 QRSA08J-332YN RESISTOR, S822U/S622U 3.3 k Ω , 1/10W

In this case, the resistor (R147) is used in the BR-S822U, the BR-S622U only.

Example 2 :

— AUDIO-6 BOARD ASS'Y, BR-S822U/BR-S622U —

PWBA PRK30066A1 AUDIO-6 BOARD ASS'Y

In the above case, the AUDIO-6 Board Ass'y is the circuit board assembly that exclusively used for the BR-S822U, the BR-S622U.

Parts without any remark are used in both the models in common.

#△ REF No. PART No. PART NAME, DESCRIPTION
- BR-S 8 2 2 U / BR-S 6 2 2 U / BR-S 5 2 2 U -

MOTHER-1 BOARD ASSEMBLY <01>

| | | |
|------|--------------|--------------------------------|
| PWBA | PRK10113F-01 | MOTHER-1 BOARD ASSY, S822/S622 |
| PWBA | PRK10113B-02 | MOTHER-1 BOARD ASSY, S522 |
| CL1 | PEME0802 | CLAMP, × 7 |
| CL2 | PGZ01377-03 | STYLE PIN, × 2 |
| CN1 | PGZ01783-44 | FEMALE CONNECTOR |
| CN2 | PGZ01783-44 | FEMALE CONNECTOR |
| CN3 | PGZ01783-44 | FEMALE CONNECTOR |
| CN4 | PGZ01783-44 | FEMALE CONNECTOR |
| CN7 | PGZ01783-44 | FEMALE CONNECTOR |
| CN8 | PGZ01783-44 | FEMALE CONNECTOR |
| CN9 | PU59513-8 | CONNECTOR |
| CN10 | PU59513-2 | CONNECTOR |
| CN11 | PU59513-8 | CONNECTOR |
| CN12 | PU59513-5 | CONNECTOR |
| CN13 | PU59513-6 | CONNECTOR |
| CN14 | PU59513-7 | CONNECTOR |
| CN15 | PU59513-4Y | CONNECTOR |
| CN17 | PU59513-5 | CONNECTOR |
| CN18 | PU59513-8 | CONNECTOR |
| CN19 | PU59513-7 | CONNECTOR |
| CN20 | PU59513-2 | CONNECTOR |
| CN21 | PU60329-120 | CONNECTOR |
| CN22 | PU60329-120 | CONNECTOR |
| CN23 | PU59513-2R | CONNECTOR |
| CN24 | PU59513-6 | CONNECTOR |
| CN25 | PU59513-2Y | CONNECTOR, S822/S622 |
| CN26 | PU59513-2R | CONNECTOR, S822/S622 |
| CN27 | PU59513-4 | CONNECTOR |
| CN28 | PU59513-2R | CONNECTOR |
| CN29 | PU59513-2 | CONNECTOR |
| CN30 | PU59513-4R | CONNECTOR |
| CN31 | PU59513-2 | CONNECTOR |
| CN32 | PU59513-5 | CONNECTOR |
| CN33 | PU59513-2 | CONNECTOR |
| CN34 | PU59513-2R | CONNECTOR |
| CN35 | PU59513-5R | CONNECTOR |
| CN36 | PU59513-2 | CONNECTOR, S822/S622 |
| CN37 | PU59513-2R | CONNECTOR |
| CN38 | PU59513-2 | CONNECTOR |
| CN39 | PU59513-2R | CONNECTOR |
| CN40 | PU59513-2Y | CONNECTOR |
| CN41 | PU59513-2 | CONNECTOR |
| CN45 | PU58844-2 | CONNECTOR |
| CN80 | PU59513-2 | CONNECTOR |

#△ REF No. PART No. PART NAME, DESCRIPTION
- BR-S 5 2 5 U -

MOTHER-1 BOARD ASSEMBLY <01>

| | | |
|------|-------------|---------------------|
| PWBA | PRK10149D | MOTHER-1 BOARD ASSY |
| CL1 | PEME0802 | CLAMP, × 6 |
| CN1 | PGZ01783-44 | FEMALE CONNECTOR |
| CN2 | PGZ01783-44 | FEMALE CONNECTOR |
| CN3 | PGZ01783-44 | FEMALE CONNECTOR |
| CN4 | PGZ01783-44 | FEMALE CONNECTOR |
| CN5 | PGZ01783-44 | CONNECTOR |
| CN6 | PGZ01783-44 | CONNECTOR |
| CN7 | PGZ01783-44 | CONNECTOR |
| CN8 | PGZ01783-44 | CONNECTOR |
| CN9 | PU59513-8 | CONNECTOR |
| CN10 | PU59513-2 | CONNECTOR |
| CN11 | PU59513-8 | CONNECTOR |
| CN12 | PU59513-5 | CONNECTOR |
| CN13 | PU59513-6 | CONNECTOR |
| CN14 | PU59513-7 | CONNECTOR |
| CN15 | PU59513-4Y | CONNECTOR |
| CN17 | PU59513-5 | CONNECTOR |
| CN18 | PU59513-8 | CONNECTOR |
| CN19 | PU59513-7 | CONNECTOR |
| CN20 | PU59513-2 | CONNECTOR |
| CN21 | PU60329-120 | CONNECTOR |
| CN22 | PU60329-120 | CONNECTOR |
| CN23 | PU59513-2R | CONNECTOR |
| CN24 | PU59513-6 | CONNECTOR |
| CN27 | PU59513-4 | CONNECTOR |
| CN28 | PU59513-2R | CONNECTOR |
| CN29 | PU59513-2 | CONNECTOR |
| CN30 | PU59513-4R | CONNECTOR |
| CN31 | PU59513-2 | CONNECTOR |
| CN32 | PU59513-5 | CONNECTOR |
| CN33 | PU59513-2 | CONNECTOR |
| CN34 | PU59513-2R | CONNECTOR |
| CN35 | PU59513-5R | CONNECTOR |
| CN37 | PU59513-2R | CONNECTOR |
| CN38 | PU59513-2 | CONNECTOR |
| CN39 | PU59513-2R | CONNECTOR |
| CN40 | PU59513-2Y | CONNECTOR |
| CN41 | PU59513-2 | CONNECTOR |
| CN42 | PU59513-2 | CONNECTOR |
| CN43 | PU59513-3 | CONNECTOR |
| CN44 | PU59513-2 | CONNECTOR |
| CN45 | PU58844-2 | CONNECTOR |
| CN80 | PU59513-2 | CONNECTOR |

| # | REF No. | PART No. | PART NAME, DESCRIPTION |
|-------------------------------------------|----------------|--------------------------------|------------------------|
| MOTHER-2 BOARD ASSEMBLY <02> | | | |
| PWBA | PRK10111F-01 | MOTHER-2 BOARD ASSY, S822/S622 | |
| PWBA | PRK10111B-02 | MOTHER-2 BOARD ASSY, S522 | |
| PWBA | PRK10111D-02 | MOTHER-2 BOARD ASSY, S525 | |
| R1 | QRD161J-151 | RESISTOR | 150Ω, 1/6W |
| CL1 | PEME0802 | CLAMP, ×8 | |
| CL2 | PGZ01377-03 | STYLE PIN, ×3 | |
| SPC1 | PRD42222 | INSULATOR | |
| SPC2 | PRD30030-59 | PAD | |
| WR1 | PGW0205-050200 | FLAT WIRE, NOT INCLUDED | |
| WR2 | PGW0201-050201 | PARALLEL WIRE, NOT INCLUDED | |
| CN1 | PGZ01783-64 | FEMALE CONNECTOR | |
| CN2 | PGZ01783-64 | FEMALE CONNECTOR | |
| CN3 | PGZ01783-64 | FEMALE CONNECTOR | |
| CN4 | PGZ01783-64 | FEMALE CONNECTOR | |
| CN5 | PGZ01783-64 | FEMALE CONNECTOR | |
| CN6 | PGZ01783-64 | FEMALE CONNECTOR | |
| CN7 | PGZ01783-64 | FEMALE CONNECTOR | |
| CN8 | PGZ01783-64 | FEMALE CONNECTOR | |
| CN9 | PGZ01783-64 | FEMALE CONNECTOR | |
| CN10 | PGZ01783-64 | FEMALE CONNECTOR | |
| CN11 | PU60329-120 | CONNECTOR | |
| CN12 | PU59513-2 | CONNECTOR | |
| CN13 | PU60329-120 | CONNECTOR | |
| CN14 | PU59513-2Y | CONNECTOR, S822/S622 | |
| CN15 | PU59513-7 | CONNECTOR | |
| CN16 | PU59513-4 | CONNECTOR | |
| CN17 | PU58844-6 | CONNECTOR | |
| CN18 | PU59513-3 | CONNECTOR | |
| CN19 | PU59513-2 | CONNECTOR | |
| CN20 | PU58844-10 | CONNECTOR | |
| CN21 | PU59513-8 | CONNECTOR | |
| CN22 | PU59513-2 | CONNECTOR | |
| CN23 | PU58844-9 | CONNECTOR | |
| CN24 | PU59513-2 | CONNECTOR, S822/S622 | |
| CN26 | PU59513-2Y | CONNECTOR, S822/S622 | |
| CN27 | PU59513-5 | CONNECTOR | |
| CN28 | PU59513-4 | CONNECTOR, S822/S622 | |
| CN29 | PU59513-4 | CONNECTOR | |
| CN30 | PU59513-6 | CONNECTOR | |
| CN31 | PU59513-4 | CONNECTOR | |
| CN32 | PU59513-4R | CONNECTOR | |
| CN33 | PU59513-4R | CONNECTOR, S822/S622 | |
| CN34 | PU59513-4Y | CONNECTOR | |
| CN36 | PU59513-7 | CONNECTOR | |
| CN37 | PU59513-5R | CONNECTOR | |
| CN38 | PU59513-8 | CONNECTOR | |

| # | REF No. | PART No. | PART NAME, DESCRIPTION |
|------|--------------|----------------------|------------------------|
| CN41 | PU59513-2 | CONNECTOR, S822/S622 | |
| CN42 | PU59513-4Y | CONNECTOR | |
| CN44 | PU59513-4Y | CONNECTOR | |
| CN45 | PU59513-4Y | CONNECTOR | |
| CN46 | PU59513-4 | CONNECTOR | |
| CN47 | PU59513-5 | CONNECTOR | |
| CN48 | PU59513-3 | CONNECTOR | |
| CN49 | PU59513-3R | CONNECTOR | |
| CN50 | PU59513-8 | CONNECTOR | |
| CN51 | PU58844-5 | CONNECTOR | |
| CN52 | PU59513-6 | CONNECTOR | |
| CN53 | PU59513-4R | CONNECTOR | |
| CN54 | PU59513-5R | CONNECTOR | |
| CN55 | PU59513-5 | CONNECTOR | |
| CN56 | PU58844-4R | CONNECTOR | |
| CN57 | PU58844-4Y | CONNECTOR | |
| CN58 | PU58844-3 | CONNECTOR | |
| CN59 | PU58844-4 | CONNECTOR | |
| CN60 | PU58844-2 | CONNECTOR | |
| CN61 | PU58844-4 | CONNECTOR | |
| CN62 | PU58844-4R | CONNECTOR | |
| CN63 | PU58844-6 | CONNECTOR | |
| CN64 | PEMC0769-004 | CONNECTOR | |
| CN65 | PEMC0769-002 | CONNECTOR | |
| CN66 | PU59513-2R | CONNECTOR, S822/S622 | |
| CN67 | PU59513-2 | CONNECTOR, S822/S622 | |
| CN68 | PU59513-4R | CONNECTOR | |
| CN69 | PU59513-2 | CONNECTOR, S822/S622 | |
| CN70 | PU59513-6 | CONNECTOR | |
| CN71 | PU59513-5 | CONNECTOR | |
| CN72 | PU59513-7 | CONNECTOR | |
| CN73 | PU59513-2 | CONNECTOR | |
| CN74 | PU60251-4 | CONNECTOR | |
| CN75 | PU59513-4 | CONNECTOR, S522/S525 | |
| CN76 | PU59513-2Y | CONNECTOR | |
| CN77 | PU59513-2 | CONNECTOR | |
| CN78 | PU58844-7 | CONNECTOR, S525 | |
| CN79 | PU59513-2 | CONNECTOR, S525 | |
| CN80 | PU59513-2 | CONNECTOR, S522/S525 | |

AUDIO-3 BOARD ASSEMBLY <23>

| | | |
|------|-----------|-------------------------------|
| PWBA | PRK10115A | AUDIO-3 BOARD ASSY, S822/S622 |
| PWBA | PRK10115C | AUDIO-3 BOARD ASSY, S522/S525 |
| IC1 | JCP0038 | IC |
| IC2 | M5278D12 | IC |
| IC3 | M5278D05 | IC |
| IC4 | M5278D05 | IC, S822/S622 |
| IC5 | M5278D09 | IC, S822/S622 |
| IC6 | BA7743FS | IC |
| IC7 | AN6041 | IC, S822/S622 |
| IC8 | M5278L05 | IC |
| IC9 | TL082CP | IC, S822/S622 |

| # | REF No. | PART No. | PART NAME, DESCRIPTION | # | REF No. | PART No. | PART NAME, DESCRIPTION |
|-----|---------|---------------|-------------------------------------------|-----|---------|---------------|-------------------------------------------|
| Q1 | | 2SC2412K | TRANSISTOR | R44 | | QRSA08J-303YN | RESISTOR 30k Ω , 1/10W |
| Q4 | | 2SC2412K | TRANSISTOR, S822/S622 | R45 | | QRSA08J-0R0Y | RESISTOR 0 Ω , 1/10W |
| Q5 | | 2SA1037K | TRANSISTOR, S822/S622 | R47 | | QRSA08J-103YN | RESISTOR 10k Ω , 1/10W |
| Q8 | | DTC124EK | TRANSISTOR | R48 | | QRSA08J-473YN | RESISTOR 47k Ω , 1/10W |
| Q11 | | 2SK30A-O | FE TRANSISTOR, S822/S622 | R49 | | QRSA08J-102YN | RESISTOR 1k Ω , 1/10W |
| Q12 | | 2SK30A-O | FE TRANSISTOR, S822/S622 | R50 | | QRSA08J-102YN | RESISTOR 1k Ω , 1/10W |
| Q13 | | DTC124EK | TRANSISTOR, S822/S622 | R51 | | QRSA08J-682YN | RESISTOR, S822/S622 6.8k Ω , 1/10W |
| D1 | | 1SS133 | DIODE | R52 | | QRSA08J-682YN | RESISTOR 6.8k Ω , 1/10W |
| D2 | | 1SS133 | DIODE, S822/S622 | R53 | | QRSA08J-392YN | RESISTOR 3.9k Ω , 1/10W |
| D3 | | 1SS136 | DIODE, S822/S622 | R54 | | QRSA08J-472YN | RESISTOR 4.7k Ω , 1/10W |
| D4 | | 1SS136 | DIODE, S822/S622 | R55 | | QVZ3513-153 | V RESISTOR 15k Ω |
| D5 | | 1SS133 | DIODE | R58 | | QRSA08J-102YN | RESISTOR, S822/S622 1k Ω , 1/10W |
| R1 | | QRSA08J-432YN | RESISTOR, S822/S622 4.3k Ω , 1/10W | R59 | | QRSA08J-122YN | RESISTOR 1.2k Ω , 1/10W |
| R1 | | QRSA08J-103YN | RESISTOR, S522/S525 10k Ω , 1/10W | R60 | | QRSA08J-122YN | RESISTOR 1.2k Ω , 1/10W |
| R2 | | QRSA08J-432YN | RESISTOR, S822/S622 4.3k Ω , 1/10W | R61 | | QRSA08J-152YN | RESISTOR 1.5k Ω , 1/10W |
| R2 | | QRSA08J-103YN | RESISTOR, S522/S525 10k Ω , 1/10W | R62 | | QRSA08J-152YN | RESISTOR 1.5k Ω , 1/10W |
| R3 | | QRSA08J-332YN | RESISTOR, S822/S622 3.3k Ω , 1/10W | R63 | | QRSA08J-8R2YN | RESISTOR, S822/S622 8.2 Ω , 1/10W |
| R3 | | QRSA08J-103YN | RESISTOR, S522/S525 10k Ω , 1/10W | R64 | | QRSA08J-224YN | RESISTOR, S822/S622 220k Ω , 1/10W |
| R4 | | QRSA08J-332YN | RESISTOR, S822/S622 3.3k Ω , 1/10W | R67 | | QRSA08J-102YN | RESISTOR, S822/S622 1k Ω , 1/10W |
| R4 | | QRSA08J-103YN | RESISTOR, S522/S525 10k Ω , 1/10W | R75 | | QRSA08J-912YN | RESISTOR, S822/S622 9.1k Ω , 1/10W |
| R5 | | QRSA08J-0R0Y | RESISTOR 0 Ω , 1/10W | R76 | | QRSA08J-332YN | RESISTOR, S822/S622 3.3k Ω , 1/10W |
| R7 | | NRVA62D-511N | RESISTOR 510 Ω , 1/16W | R77 | | QRSA08J-123YN | RESISTOR, S822/S622 12k Ω , 1/10W |
| R8 | | NRVA62D-511N | RESISTOR 510 Ω , 1/16W | R78 | | QRSA08J-332YN | RESISTOR, S822/S622 3.3k Ω , 1/10W |
| R9 | | QRSA08J-472YN | RESISTOR 4.7k Ω , 1/10W | R78 | | QRSA08J-0R0Y | RESISTOR, S522/S525 0 Ω , 1/10W |
| R10 | | QRSA08J-472YN | RESISTOR 4.7k Ω , 1/10W | R79 | | QRSA08J-333YN | RESISTOR, S822/S622 33k Ω , 1/10W |
| R11 | | QRSA08J-513YN | RESISTOR 51k Ω , 1/10W | R80 | | QRSA08J-123YN | RESISTOR, S822/S622 12k Ω , 1/10W |
| R12 | | QRSA08J-513YN | RESISTOR 51k Ω , 1/10W | R81 | | QRSA08J-102YN | RESISTOR, S822/S622 1k Ω , 1/10W |
| R13 | | QRSA08J-562YN | RESISTOR 5.6k Ω , 1/10W | R82 | | QRSA08J-102YN | RESISTOR, S822/S622 1k Ω , 1/10W |
| R14 | | QRSA08J-472YN | RESISTOR 4.7k Ω , 1/10W | R83 | | QRSA08J-561YN | RESISTOR, S822/S622 560 Ω , 1/10W |
| R15 | | QVZ3513-473 | V RESISTOR 47k Ω | R84 | | QRSA08J-102YN | RESISTOR, S822/S622 1k Ω , 1/10W |
| R16 | | QVZ3513-473 | V RESISTOR 47k Ω | R85 | | QRSA08J-122YN | RESISTOR 1.2k Ω , 1/10W |
| R17 | | QRSA08J-101YN | RESISTOR 100 Ω , 1/10W | R86 | | QRSA08J-0R0Y | RESISTOR 0 Ω , 1/10W |
| R18 | | QRSA08J-101YN | RESISTOR 100 Ω , 1/10W | R87 | | QRSA08J-684YN | RESISTOR, S822/S622 680k Ω , 1/10W |
| R21 | | QRSA08J-101YN | RESISTOR 100 Ω , 1/10W | R88 | | QRSA08J-684YN | RESISTOR, S822/S622 680k Ω , 1/10W |
| R22 | | QRSA08J-101YN | RESISTOR 100 Ω , 1/10W | R89 | | QRSA08J-684YN | RESISTOR, S822/S622 680k Ω , 1/10W |
| R23 | | QRSA08J-822YN | RESISTOR 8.2k Ω , 1/10W | R90 | | QRSA08J-684YN | RESISTOR, S822/S622 680k Ω , 1/10W |
| R24 | | QRSA08J-822YN | RESISTOR 8.2k Ω , 1/10W | R91 | | QRSA08J-683YN | RESISTOR, S822/S622 68k Ω , 1/10W |
| R25 | | QRSA08J-103YN | RESISTOR 10k Ω , 1/10W | R92 | | QRSA08J-683YN | RESISTOR, S822/S622 68k Ω , 1/10W |
| R26 | | QRSA08J-103YN | RESISTOR 10k Ω , 1/10W | C1 | | QETC1CM-106ZE | E CAPACITOR, S822/S622 10 μ F, 16V |
| R27 | | QRSA08J-123YN | RESISTOR 12k Ω , 1/10W | C2 | | QETC1CM-106ZE | E CAPACITOR, S822/S622 10 μ F, 16V |
| R28 | | QRSA08J-103YN | RESISTOR 10k Ω , 1/10W | C3 | | QETC1CM-106ZE | E CAPACITOR 10 μ F, 16V |
| R29 | | QVZ3513-103 | V RESISTOR 10k Ω | C4 | | QETC1CM-106ZE | E CAPACITOR 10 μ F, 16V |
| R30 | | QVZ3513-682 | V RESISTOR 6.8k Ω | C5 | | QCYA1HK-103 | CAPACITOR 0.01 μ F, 50V |
| R33 | | QRSA08J-222YN | RESISTOR 2.2k Ω , 1/10W | C6 | | QCYA1HK-103 | CAPACITOR 0.01 μ F, 50V |
| R34 | | QRSA08J-222YN | RESISTOR 2.2k Ω , 1/10W | C7 | | QCYA1HK-103 | CAPACITOR 0.01 μ F, 50V |
| R35 | | QRSA08J-273YN | RESISTOR 27k Ω , 1/10W | C8 | | QCYA1HK-103 | CAPACITOR 0.01 μ F, 50V |
| R36 | | QRSA08J-273YN | RESISTOR 27k Ω , 1/10W | C9 | | QETC1AM-336ZE | E CAPACITOR 33 μ F, 10V |
| R37 | | QRSA08J-561YN | RESISTOR 560 Ω , 1/10W | C10 | | QETC1AM-336ZE | E CAPACITOR 33 μ F, 10V |
| R38 | | QRSA08J-750YN | RESISTOR 75 Ω , 1/10W | C11 | | QFN31HJ-473 | M CAPACITOR 0.047 μ F, 50V |
| R39 | | QRSA08J-274YN | RESISTOR, S822/S622 270k Ω , 1/10W | C12 | | QFN31HJ-473 | M CAPACITOR 0.047 μ F, 50V |
| R40 | | QRSA08J-104YN | RESISTOR 100k Ω , 1/10W | C13 | | QETC1HM-225 | E CAPACITOR 2.2 μ F, 50V |
| R41 | | QRSA08J-822YN | RESISTOR 8.2k Ω , 1/10W | C14 | | QETC1HM-225 | E CAPACITOR 2.2 μ F, 50V |
| R42 | | QRSA08J-183YN | RESISTOR 18k Ω , 1/10W | C15 | | QFN31HJ-333 | M CAPACITOR 0.033 μ F, 50V |
| R43 | | QRSA08J-332YN | RESISTOR 3.3k Ω , 1/10W | C16 | | QFN31HJ-333 | M CAPACITOR 0.033 μ F, 50V |
| | | | | C17 | | PU59499 | BUS WIRE, S822/S622 |

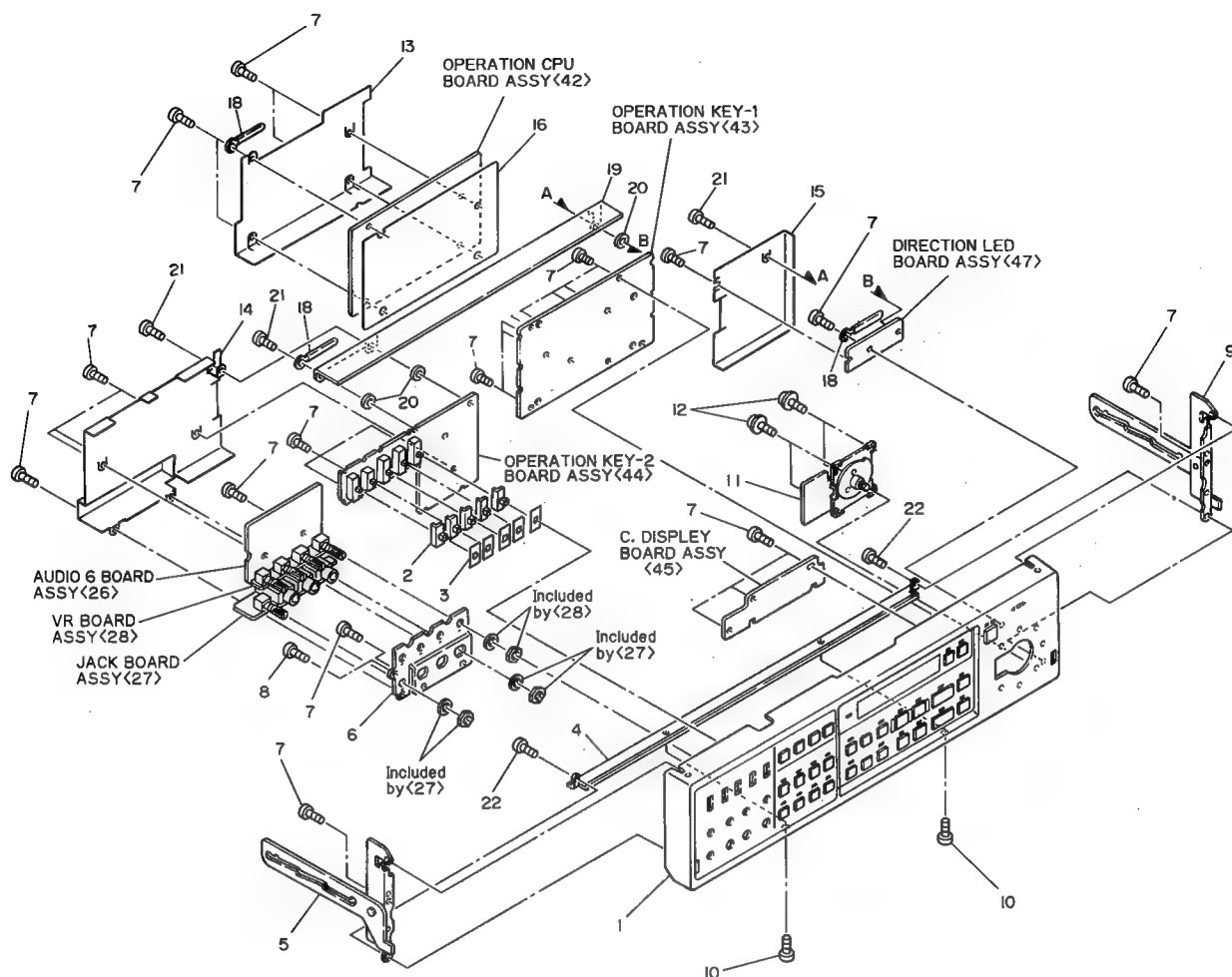
5.10.1 Cassette panel assembly <MA>



CASSETTE PANEL ASSEMBLY <MA>

5-19

5.10.2 Operation panel assembly <MB>



OPERATION PANEL ASSEMBLY

#△ REF No. PART No. PART NAME, DESCRIPTION

OPERATION PANEL ASSEMBLY <MB>

| | | |
|----|--------------|-----------------------------|
| 1 | PRD10230A-05 | OPERATION PANEL ASSY, S822U |
| 1 | PRD10259A-06 | OPERATION PANEL ASSY, S622U |
| 1 | PRD10259E-06 | OPERATION PANEL ASSY, S522U |
| 1 | PRD10259F-06 | OPERATION PANEL ASSY, S525U |
| 2 | PRD42830 | SLIDE KNOB, X5, S822U/S622U |
| 2 | PRD42830 | SLIDE KNOB, X4, S522U/S525U |
| 3 | PRD43146 | KNOB PLATE, X5, S822U/S622U |
| 3 | PRD43146 | KNOB PLATE, X4, S522U/S525U |
| 4 | PRD20379 | OPERATION BRACKET |
| 5 | PRD30732A-01 | SIDE BRACKET(L) ASSY |
| 6 | PRD43428 | VR & JACK BRACKET |
| 7 | SBSF2606Z | SCREW, X28 |
| 8 | LPSP3006Z | ASSY SCREW |
| 9 | PRD30733A-01 | SIDE BRACKET(R) ASSY |
| 10 | PRD43194 | SPECIAL SCREW, X2 |

#△ REF No. PART No. PART NAME, DESCRIPTION

| | | |
|----|----------------|-----------------------------------------|
| 11 | PGS20128H-02 | SEARCH/JOG CONTROL ASSY, 822U/622U/522U |
| 11 | PGS20933A | SEARCH/JOG CONTROL ASSY, S525U |
| 12 | DPSP3010Z | SCREW, X4, S822U/S622U/S522U |
| 12 | DPSP3016Z | SCREW, X4, S525U |
| 13 | PRD30774-01-01 | PROTECTOR(A) |
| 14 | PRD30775-01-02 | PROTECTOR(B), S822U/S622U |
| 14 | PRD30775-02-03 | PROTECTOR(B), S522U/S525U |
| 15 | PRD43477-01-01 | PROTECTOR(C) |
| 16 | PRD43478 | INSULATOR |
| 18 | PU49485-4 | WIRE CLAMP, X3 |
| 19 | PRD30850 | OPERATION BRACKET |
| 20 | PRD30084 | WASHER, X3 |
| 21 | SDSF2610Z | SCREW, X3 |
| 22 | SDSF2608Z | SCREW, X2 |

| # | REF No. | PART No. | PART NAME, DESCRIPTION | # | REF No. | PART No. | PART NAME, DESCRIPTION |
|-----|---------|---------------|----------------------------------------|------|---------|---------------|-----------------------------------------|
| C17 | | QETC1AM-227ZE | E CAPACITOR, S522/S525 220 μ F,10V | C74 | | QEE81AM-107 | E CAPACITOR, S822/S622 100 μ F,10V |
| C18 | | PU59499 | BUS WIRE, S822/S622 | C75 | | QETC1HM-105ZE | E CAPACITOR 1 μ F,50V |
| C18 | | QETC1AM-227ZE | E CAPACITOR, S522/S525 220 μ F,10V | C76 | | QETC1HM-105ZE | E CAPACITOR 1 μ F,50V |
| C19 | | QETC1CM-106ZE | E CAPACITOR 10 μ F,16V | C77 | | QCYA1HK-102 | CAPACITOR 0.001 μ F,50V |
| C20 | | QETC1CM-106ZE | E CAPACITOR 10 μ F,16V | C78 | | QCYA1HK-102 | CAPACITOR 0.001 μ F,50V |
| C21 | | QCYA1HK-103 | CAPACITOR 0.01 μ F,50V | C79 | | QCTA1CH-121 | CAPACITOR 120pF,16V |
| C22 | | QCYA1HK-103 | CAPACITOR 0.01 μ F,50V | C80 | | QCTA1CH-121 | CAPACITOR 120pF,16V |
| C23 | | QETC1HM-105ZE | E CAPACITOR 1 μ F,50V | C81 | | QCTA1CH-101 | CAPACITOR, S822/S622 100pF,16V |
| C24 | | QETC1HM-105ZE | E CAPACITOR 1 μ F,50V | C82 | | QFN31HJ-104 | M CAPACITOR, S822/S622 0.1 μ F,50V |
| C25 | | QFN31HJ-103 | M CAPACITOR 0.01 μ F,50V | C85 | | QCYA1HK-103 | CAPACITOR 0.01 μ F,50V |
| C26 | | QFN31HJ-103 | M CAPACITOR 0.01 μ F,50V | C86 | | QCYA1HK-103 | CAPACITOR, S822/S622 0.01 μ F,50V |
| C27 | | QETC0JM-107ZE | E CAPACITOR 100 μ F,6.3V | C87 | | QEE81CM-476 | T. CAPACITOR, S822/S622 47 μ F,16V |
| C28 | | QETC0JM-107ZE | E CAPACITOR 100 μ F,6.3V | C88 | | QCYA1HK-103 | CAPACITOR, S822/S622 0.01 μ F,50V |
| C29 | | QCYA1HK-102 | CAPACITOR 0.001 μ F,50V | C91 | | QETC1EM-476ZE | E CAPACITOR, S822/S622 47 μ F,25V |
| C30 | | QCYA1HK-102 | CAPACITOR 0.001 μ F,50V | C95 | | QCYA1HK-103 | CAPACITOR, S822/S622 0.01 μ F,50V |
| C31 | | QFN31HJ-822 | M CAPACITOR 0.0082 μ F,50V | C96 | | QCYA1HK-103 | CAPACITOR, S822/S622 0.01 μ F,50V |
| C32 | | QFN31HJ-822 | M CAPACITOR 0.0082 μ F,50V | C97 | | QCYA1HK-222 | CAPACITOR, S822/S622 0.0022 μ F,50V |
| C33 | | QFN31HJ-104 | M CAPACITOR 0.1 μ F,50V | C98 | | QCYA1HK-222 | CAPACITOR, S822/S622 0.0022 μ F,50V |
| C34 | | QFN31HJ-104 | M CAPACITOR 0.1 μ F,50V | C99 | | QCYA1HK-222 | CAPACITOR, S822/S622 0.0022 μ F,50V |
| C35 | | QFN31HJ-223 | M CAPACITOR 0.022 μ F,50V | C100 | | QCYA1HK-222 | CAPACITOR, S822/S622 0.0022 μ F,50V |
| C36 | | QFN31HJ-223 | M CAPACITOR 0.022 μ F,50V | C101 | | QETC1CM-476 | E CAPACITOR, S822/S622 47 μ F,16V |
| C37 | | QCTA1CH-821 | CAPACITOR 820pF,16V | C102 | | QCYA1HK-103 | CAPACITOR, S822/S622 0.01 μ F,50V |
| C38 | | QCTA1CH-821 | CAPACITOR 820pF,16V | C103 | | QCTA1CH-121 | CAPACITOR, S822/S622 120pF,16V |
| C39 | | QFN31HJ-392 | M CAPACITOR 0.0039 μ F,50V | C104 | | QCYA1HK-103 | CAPACITOR, S822/S622 0.01 μ F,50V |
| C40 | | QFN31HJ-392 | M CAPACITOR 0.0039 μ F,50V | C105 | | QCYA1HK-103 | CAPACITOR, S822/S622 0.01 μ F,50V |
| C41 | | QCYA1HK-103 | CAPACITOR 0.01 μ F,50V | C106 | | QETC1CM-476ZE | E CAPACITOR, S822/S622 47 μ F,16V |
| C42 | | QCYA1HK-103 | CAPACITOR 0.01 μ F,50V | C108 | | QCYA1HK-333 | CAPACITOR 0.033 μ F,50V |
| C43 | | QCYA1HK-103 | CAPACITOR 0.01 μ F,50V | C109 | | QCTA1CH-101 | CAPACITOR, S822/S622 100pF,16V |
| C44 | | QCYA1HK-103 | CAPACITOR 0.01 μ F,50V | C110 | | QETC1CM-476ZE | E CAPACITOR, S822/S622 47 μ F,16V |
| C45 | | QCYA1HK-103 | CAPACITOR 0.01 μ F,50V | C111 | | QFN31HJ-104 | M CAPACITOR, S822/S622 0.1 μ F,50V |
| C46 | | QETC1HM-105ZE | E CAPACITOR 1 μ F,50V | C112 | | QFN31HJ-104 | M CAPACITOR, S822/S622 0.1 μ F,50V |
| C47 | | QCTA1CH-471 | CAPACITOR 470pF,16V | C113 | | QCYA1HK-103 | CAPACITOR 0.01 μ F,50V |
| C48 | | QCTA1CH-561 | CAPACITOR 560pF,16V | C114 | | QCYA1HK-103 | CAPACITOR 0.01 μ F,50V |
| C49 | | QCYA1EK-104 | CAPACITOR 0.1 μ F,25V | | | | |
| C50 | | QEE81AM-476 | TANTAL CAPACITOR 47 μ F,10V | | | | |
| C51 | | QCTA1CH-101 | CAPACITOR 100pF,16V | L1 | | PU30284-1R | COIL 100 μ H |
| C52 | | QCTA1CH-101 | CAPACITOR 100pF,16V | L2 | | PU30284-1R | COIL 100 μ H |
| C53 | | QCYA1HK-103 | CAPACITOR 0.01 μ F,50V | L6 | | PU48530-101K | COIL 100 μ H |
| C54 | | QCYA1EK-473 | CAPACITOR 0.047 μ F,25V | L7 | | PU48530-101K | COIL, S822/S622 100 μ H |
| C55 | | QETC0JM-107ZE | E CAPACITOR 100 μ F,6.3V | | | | |
| C56 | | QETC0JM-107ZE | E CAPACITOR 100 μ F,6.3V | BPF3 | | PU60396 | BAND PASS FILTER, $\times 2$ (BPF3, 4) |
| C57 | | QETC1AM-107ZE | E CAPACITOR 100 μ F,10V | | | | |
| C58 | | QETC1AM-476 | E CAPACITOR 47 μ F,10V | △ K1 | | PGZ00354 | FERRITE BEADS, $\times 2$ (K1, K2) |
| C59 | | QETC1EM-337ZE | E CAPACITOR 330 μ F,25V | | | | |
| C60 | | QCYA1HK-103 | CAPACITOR 0.01 μ F,50V | EJ1 | | PGZ00582 | EJECTOR, $\times 2$ |
| C61 | | QETC1EM-107ZE | E CAPACITOR 100 μ F,25V | STK1 | | PRD30072-58 | STICKER |
| C62 | | QCYA1HK-103 | CAPACITOR 0.01 μ F,50V | | | | |
| C63 | | QEE81AM-476 | TANTAL CAPACITOR 47 μ F,10V | TP1 | | PU54983 | TEST PIN, $\times 16$ |
| C64 | | QCYA1HK-103 | CAPACITOR 0.01 μ F,50V | | | | |
| C65 | | QCYA1HK-102 | CAPACITOR 0.001 μ F,50V | CN1 | | PGZ00421-64 | MALE CONNECTOR |
| C67 | | QCYA1HK-103 | CAPACITOR 0.01 μ F,50V | CN2 | | PU58844-6 | CONNECTOR |
| C68 | | QCYA1HK-103 | CAPACITOR 0.01 μ F,50V | | | | |
| C69 | | QCYA1HK-103 | CAPACITOR 0.01 μ F,50V | | | | |
| C70 | | QEE81AM-107 | E CAPACITOR 100 μ F,10V | | | | |
| C71 | | QCYA1HK-103 | CAPACITOR 0.01 μ F,50V | | | | |
| C72 | | QCYA1HK-103 | CAPACITOR 0.01 μ F,50V | | | | |
| C73 | | QCYA1HK-103 | CAPACITOR, S822/S622 0.01 μ F,50V | | | | |

#△ REF No. PART No. PART NAME, DESCRIPTION

AV M/ONSC BOARD ASSY <41>

PWBA PRK20089E AV M/ONSC BOARD ASSY

| | | |
|------|--------------|----|
| IC2 | TC74HC066AP | IC |
| IC3 | NJM2233BD | IC |
| IC4 | M50554-263SP | IC |
| IC5 | M52684AP | IC |
| IC6 | NJM2233BD | IC |
| IC7 | M52684AP | IC |
| IC9 | UPC319C | IC |
| IC10 | TC74HC00AP | IC |

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|------|----------------|----|
| IC11 | TC4013BP | IC |
| IC12 | M51957BL | IC |
| IC13 | UPD75116CW-A03 | IC |
| IC14 | M54519P | IC |
| IC15 | M54519P | IC |
| IC17 | TC74HC00AP | IC |
| IC18 | M5278D12 | IC |
| IC19 | M5278L05 | IC |
| IC20 | UPC78N05 | IC |

| | | |
|-----|---------------|------------|
| Q1 | 2SC1740S(QRS) | TRANSISTOR |
| Q2 | 2SA933S(RS) | TRANSISTOR |
| Q3 | 2SA933S(RS) | TRANSISTOR |
| Q4 | 2SC1740S(QRS) | TRANSISTOR |
| Q5 | 2SC1740S(QRS) | TRANSISTOR |
| Q6 | 2SC1740S(QRS) | TRANSISTOR |
| Q7 | 2SC1740S(QRS) | TRANSISTOR |
| Q8 | 2SC1740S(QRS) | TRANSISTOR |
| Q9 | 2SA933S(RS) | TRANSISTOR |
| Q10 | 2SA933S(RS) | TRANSISTOR |

| | | |
|-----|---------------|------------|
| Q11 | 2SC1740S(QRS) | TRANSISTOR |
| Q12 | 2SC1740S(QRS) | TRANSISTOR |
| Q13 | 2SA933S(RS) | TRANSISTOR |
| Q14 | 2SA933S(RS) | TRANSISTOR |
| Q15 | 2SA933S(RS) | TRANSISTOR |
| Q16 | 2SC1740S(QRS) | TRANSISTOR |
| Q17 | 2SC1740S(QRS) | TRANSISTOR |
| Q18 | 2SC1740S(QRS) | TRANSISTOR |
| Q19 | 2SC1740S(QRS) | TRANSISTOR |
| Q20 | 2SC1740S(QRS) | TRANSISTOR |

| | | |
|-----|---------------|------------|
| Q21 | 2SC1740S(QRS) | TRANSISTOR |
| Q22 | 2SC1740S(QRS) | TRANSISTOR |

| | | |
|-----|----------|-------------|
| D1 | 1SS133 | DIODE |
| D2 | 1SS133 | DIODE |
| D3 | 1SS133 | DIODE |
| D5 | MA27TB | DIODE |
| D6 | 1SS133 | DIODE |
| D7 | 1SS133 | DIODE |
| D8 | 1SS133 | DIODE |
| D9 | 1SS133 | DIODE |
| D10 | 1SS133 | DIODE |
| D11 | RD7.5EB2 | ZENER DIODE |

#△ REF No. PART No. PART NAME, DESCRIPTION

| | | | |
|-----|----------------|--------------|------------|
| R2 | QRD161J-333 | RESISTOR | 33kΩ,1/6W |
| R3 | QRD161J-123 | RESISTOR | 12kΩ,1/6W |
| R4 | QRD161J-181 | RESISTOR | 180Ω,1/6W |
| R5 | QVR141F-5600AY | CMF RESISTOR | 560Ω,1/4W |
| R6 | QVR141F-3300AY | CMF RESISTOR | 330Ω,1/4W |
| R7 | QVR141F-3300AY | CMF RESISTOR | 330Ω,1/4W |
| R8 | QVR141F-4700AY | CMF RESISTOR | 470Ω,1/4W |
| R9 | QRD161J-182 | RESISTOR | 1.8kΩ,1/6W |
| R10 | QRD161J-222 | RESISTOR | 2.2kΩ,1/6W |

| | | | |
|-----|-------------|----------|------------|
| R11 | QRD161J-152 | RESISTOR | 1.5kΩ,1/6W |
| R12 | QRD161J-561 | RESISTOR | 560Ω,1/6W |
| R13 | QRD161J-561 | RESISTOR | 560Ω,1/6W |
| R16 | QRD161J-102 | RESISTOR | 1kΩ,1/6W |
| R17 | QRD161J-561 | RESISTOR | 560Ω,1/6W |
| R18 | QRD161J-332 | RESISTOR | 3.3kΩ,1/6W |
| R19 | QRD161J-472 | RESISTOR | 4.7kΩ,1/6W |
| R20 | QRD161J-332 | RESISTOR | 3.3kΩ,1/6W |

| | | | |
|-----|-------------|----------|-----------|
| R21 | QRD161J-391 | RESISTOR | 390Ω,1/6W |
| R22 | QRD161J-102 | RESISTOR | 1kΩ,1/6W |
| R23 | QRD161J-681 | RESISTOR | 680Ω,1/6W |
| R24 | QRD161J-102 | RESISTOR | 1kΩ,1/6W |
| R25 | QRD161J-103 | RESISTOR | 10kΩ,1/6W |
| R26 | QRD161J-221 | RESISTOR | 220Ω,1/6W |
| R27 | QRD161J-103 | RESISTOR | 10kΩ,1/6W |
| R28 | QRD161J-102 | RESISTOR | 1kΩ,1/6W |
| R29 | QRD161J-681 | RESISTOR | 680Ω,1/6W |
| R30 | QRD161J-471 | RESISTOR | 470Ω,1/6W |

| | | | |
|-----|-------------|----------|------------|
| R32 | QRD161J-472 | RESISTOR | 4.7kΩ,1/6W |
| R34 | QRD161J-122 | RESISTOR | 1.2kΩ,1/6W |
| R35 | QRD161J-102 | RESISTOR | 1kΩ,1/6W |
| R36 | QRD161J-102 | RESISTOR | 1kΩ,1/6W |
| R37 | QRD161J-681 | RESISTOR | 680Ω,1/6W |
| R38 | QRD161J-561 | RESISTOR | 560Ω,1/6W |
| R39 | QRD161J-393 | RESISTOR | 39kΩ,1/6W |
| R40 | QRD161J-152 | RESISTOR | 1.5kΩ,1/6W |

| | | | |
|-----|-------------|----------|------------|
| R41 | QRD161J-271 | RESISTOR | 270Ω,1/6W |
| R42 | QRD161J-103 | RESISTOR | 10kΩ,1/6W |
| R43 | QRD161J-222 | RESISTOR | 2.2kΩ,1/6W |
| R44 | QRD161J-223 | RESISTOR | 22kΩ,1/6W |
| R45 | QRD161J-273 | RESISTOR | 27kΩ,1/6W |
| R46 | QRD161J-222 | RESISTOR | 2.2kΩ,1/6W |
| R47 | QRD161J-222 | RESISTOR | 2.2kΩ,1/6W |
| R48 | QRD161J-222 | RESISTOR | 2.2kΩ,1/6W |
| R49 | QRD161J-122 | RESISTOR | 1.2kΩ,1/6W |
| R50 | QRD161J-122 | RESISTOR | 1.2kΩ,1/6W |

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|-----|-------------|----------|------------|
| R51 | QRD161J-101 | RESISTOR | 100Ω,1/6W |
| R52 | QRD161J-222 | RESISTOR | 2.2kΩ,1/6W |
| R53 | QRD161J-183 | RESISTOR | 18kΩ,1/6W |
| R54 | QRD161J-472 | RESISTOR | 4.7kΩ,1/6W |
| R55 | QRD161J-391 | RESISTOR | 390Ω,1/6W |
| R56 | QRD161J-473 | RESISTOR | 47kΩ,1/6W |
| R57 | QRD161J-0R0 | RESISTOR | 0Ω,1/6W |
| R58 | QRD161J-103 | RESISTOR | 10kΩ,1/6W |
| R59 | QRD161J-561 | RESISTOR | 560Ω,1/6W |
| R60 | QRD161J-561 | RESISTOR | 560Ω,1/6W |

| | | | |
|-----|-------------|----------|-----------|
| R61 | QRD161J-181 | RESISTOR | 180Ω,1/6W |
| R62 | QRD161J-223 | RESISTOR | 22kΩ,1/6W |

| #△ REF No. | PART No. | PART NAME, DESCRIPTION | #△ REF No. | PART No. | PART NAME, DESCRIPTION |
|------------|-------------|------------------------|------------|-------------|----------------------------|
| R63 | QRD161J-223 | RESISTOR 22kΩ, 1/6W | R126 | QRD161J-181 | RESISTOR 180Ω, 1/6W |
| R64 | QRD161J-152 | RESISTOR 1.5kΩ, 1/6W | R127 | QRD161J-473 | RESISTOR 47kΩ, 1/6W |
| R66 | QRD161J-152 | RESISTOR 1.5kΩ, 1/6W | | | |
| R67 | QRD161J-393 | RESISTOR 39kΩ, 1/6W | R136 | QRD161J-181 | RESISTOR 180Ω, 1/6W |
| R68 | QRD161J-152 | RESISTOR 1.5kΩ, 1/6W | R137 | QRD161J-103 | RESISTOR 10kΩ, 1/6W |
| R69 | QRD161J-271 | RESISTOR 270Ω, 1/6W | R138 | QRD161J-103 | RESISTOR 10kΩ, 1/6W |
| R70 | QRD161J-103 | RESISTOR 10kΩ, 1/6W | R139 | QRD161J-181 | RESISTOR 180Ω, 1/6W |
| | | | △ R140 | PU52108-2R2 | POSITIVE THERMISTOR |
| R71 | QRD161J-472 | RESISTOR 4.7kΩ, 1/6W | | | |
| R72 | QRD161J-473 | RESISTOR 47kΩ, 1/6W | R141 | QRD161J-103 | RESISTOR 10kΩ, 1/6W |
| R73 | QRD161J-104 | RESISTOR 100kΩ, 1/6W | R142 | QRD161J-103 | RESISTOR 10kΩ, 1/6W |
| R74 | QRD161J-222 | RESISTOR 2.2kΩ, 1/6W | R143 | QRD161J-154 | RESISTOR 150kΩ, 1/6W |
| R77 | QRD161J-122 | RESISTOR 1.2kΩ, 1/6W | R144 | QRD161J-104 | RESISTOR 100kΩ, 1/6W |
| R78 | QRD161J-123 | RESISTOR 12kΩ, 1/6W | | | |
| R79 | QRD161J-123 | RESISTOR 12kΩ, 1/6W | R1001 | QVZ3513-102 | V RESISTOR 1kΩ |
| R80 | QRD161J-102 | RESISTOR 1kΩ, 1/6W | | | |
| | | | RA1 | EXB-P88103M | NETWORK RESISTOR |
| R81 | QRD161J-333 | RESISTOR 33kΩ, 1/6W | | | |
| R82 | QRD161J-273 | RESISTOR 27kΩ, 1/6W | C2 | QETC1CM-107 | E CAPACITOR 100 μF, 16V |
| R83 | QRD161J-152 | RESISTOR 1.5kΩ, 1/6W | C3 | QETC1CM-106 | E CAPACITOR 10 μF, 16V |
| R84 | QRD161J-102 | RESISTOR 1kΩ, 1/6W | C4 | QETC1AM-107 | E CAPACITOR 100 μF, 10V |
| R85 | QRD161J-102 | RESISTOR 1kΩ, 1/6W | C6 | QCC31CK-104 | CAPACITOR 0.1 μF, 16V |
| R86 | QRD161J-271 | RESISTOR 270Ω, 1/6W | C7 | QETC1AM-107 | E CAPACITOR 100 μF, 10V |
| R87 | QRD161J-222 | RESISTOR 2.2kΩ, 1/6W | C8 | QETC1AM-107 | E CAPACITOR 100 μF, 10V |
| R88 | QRD161J-103 | RESISTOR 10kΩ, 1/6W | C9 | QCC31CK-104 | CAPACITOR 0.1 μF, 16V |
| R89 | QRD161J-222 | RESISTOR 2.2kΩ, 1/6W | | | |
| R90 | QRD161J-271 | RESISTOR 270Ω, 1/6W | C11 | QCS31HJ-220 | CAPACITOR 22pF, 50V |
| | | | C13 | QCS31HJ-560 | CAPACITOR 56pF, 50V |
| R91 | QRD161J-222 | RESISTOR 2.2kΩ, 1/6W | C14 | QCS31HJ-150 | CAPACITOR 15pF, 50V |
| R92 | QRD161J-102 | RESISTOR 1kΩ, 1/6W | C15 | QETC1AM-107 | E CAPACITOR 100 μF, 10V |
| R93 | QRD161J-821 | RESISTOR 820Ω, 1/6W | C16 | QCF31HP-103 | CAPACITOR 0.01 μF, 50V |
| R94 | QRD161J-331 | RESISTOR 330Ω, 1/6W | C17 | QFN31HJ-222 | M CAPACITOR 0.0022 μF, 50V |
| R95 | QRD161J-681 | RESISTOR 680Ω, 1/6W | C18 | QETC1HM-105 | E CAPACITOR 1 μF, 50V |
| R97 | QRD161J-182 | RESISTOR 1.8kΩ, 1/6W | C20 | QCS31HJ-220 | CAPACITOR 22pF, 50V |
| R98 | QRD161J-102 | RESISTOR 1kΩ, 1/6W | | | |
| R99 | QRD161J-473 | RESISTOR 47kΩ, 1/6W | C21 | QFN31HJ-103 | M CAPACITOR 0.01 μF, 50V |
| R100 | QRD161J-681 | RESISTOR 680Ω, 1/6W | C22 | QFN31HJ-152 | M CAPACITOR 0.0015 μF, 50V |
| | | | C23 | QETC1EM-475 | E CAPACITOR 4.7 μF, 25V |
| R103 | QRD161J-104 | RESISTOR 100kΩ, 1/6W | C24 | QCS31HJ-390 | CAPACITOR 39pF, 50V |
| R104 | QRD161J-104 | RESISTOR 100kΩ, 1/6W | C25 | QCS31HJ-121 | CAPACITOR 120pF, 50V |
| R105 | QRD161J-473 | RESISTOR 47kΩ, 1/6W | C26 | QETC1CM-106 | E CAPACITOR 10 μF, 16V |
| R106 | QRD161J-183 | RESISTOR 18kΩ, 1/6W | C27 | QETC1HM-474 | E CAPACITOR 0.47 μF, 50V |
| R107 | QRD161J-103 | RESISTOR 10kΩ, 1/6W | C28 | QETC1AM-108 | E CAPACITOR 1000 μF, 10V |
| R108 | QRD161J-472 | RESISTOR 4.7kΩ, 1/6W | C29 | QETC1AM-108 | E CAPACITOR 1000 μF, 10V |
| R109 | QRD161J-472 | RESISTOR 4.7kΩ, 1/6W | C30 | QETC1AM-107 | E CAPACITOR 100 μF, 10V |
| R110 | QRD161J-471 | RESISTOR 470Ω, 1/6W | | | |
| | | | C31 | QETC1AM-107 | E CAPACITOR 100 μF, 10V |
| R111 | QRD161J-471 | RESISTOR 470Ω, 1/6W | C32 | QETC1AM-107 | E CAPACITOR 100 μF, 10V |
| R112 | QRD161J-471 | RESISTOR 470Ω, 1/6W | C33 | QCC31CK-104 | CAPACITOR 0.1 μF, 16V |
| R113 | QRD161J-471 | RESISTOR 470Ω, 1/6W | C35 | QFN31HJ-222 | M CAPACITOR 0.0022 μF, 50V |
| R114 | QRD161J-471 | RESISTOR 470Ω, 1/6W | C36 | QCC31CK-104 | CAPACITOR 0.1 μF, 16V |
| R115 | QRD161J-471 | RESISTOR 470Ω, 1/6W | C37 | QCS31HJ-220 | CAPACITOR 22pF, 50V |
| R116 | QRD161J-471 | RESISTOR 470Ω, 1/6W | C38 | QFN31HJ-103 | M CAPACITOR 0.01 μF, 50V |
| R117 | QRD161J-471 | RESISTOR 470Ω, 1/6W | C39 | QFN31HJ-152 | M CAPACITOR 0.0015 μF, 50V |
| R118 | QRD161J-121 | RESISTOR 120Ω, 1/6W | C40 | QETC1HM-475 | E CAPACITOR 4.7 μF, 50V |
| R119 | QRD161J-121 | RESISTOR 120Ω, 1/6W | | | |
| R120 | QRD161J-121 | RESISTOR 120Ω, 1/6W | C43 | QCC31CK-104 | CAPACITOR 0.1 μF, 16V |
| | | | C46 | QETC1CM-107 | E CAPACITOR 100 μF, 16V |
| R121 | QRD161J-121 | RESISTOR 120Ω, 1/6W | C47 | QETC1AM-107 | E CAPACITOR 100 μF, 10V |
| R122 | QRD161J-121 | RESISTOR 120Ω, 1/6W | C48 | QCS31HJ-101 | CAPACITOR 100pF, 50V |
| R123 | QRD161J-121 | RESISTOR 120Ω, 1/6W | C49 | QCS31HJ-101 | CAPACITOR 100pF, 50V |
| R124 | QRD161J-121 | RESISTOR 120Ω, 1/6W | C50 | QETC1AM-107 | E CAPACITOR 100 μF, 10V |
| R125 | QRD161J-121 | RESISTOR 120Ω, 1/6W | | | |

| # | REF No. | PART No. | PART NAME, DESCRIPTION | # | REF No. | PART No. | PART NAME, DESCRIPTION |
|-------------|---------|--------------|------------------------------------------|------|----------------|----------|---------------------------|
| C51 | | QETC1AM-476 | E CAPACITOR 47 μ F,10V | SLD1 | PRD30781-02-03 | | SHIELD PLATE |
| C52 | | QETC1HM-474 | E CAPACITOR 0.47 μ F,50V | RV1 | PU53276 | | PLASTIC RIVET, \times 4 |
| C53 | | QETC1HM-474 | E CAPACITOR 0.47 μ F,50V | | | | |
| C54 | | QETC1AM-107 | E CAPACITOR 100 μ F,10V | TP1 | PU54983 | | TEST PIN, \times 20 |
| C56 | | QCS31HJ-100 | CAPACITOR 10pF,50V | | | | |
| C58 | | QETC1HM-104 | E CAPACITOR 0.1 μ F,50V | | | | |
| C59 | | QETC1CM-476 | E CAPACITOR 47 μ F,16V | CN1 | PGZ00421-64 | | MALE CONNECTOR |
| C60 | | QCC31EK-104 | CAPACITOR 0.1 μ F,25V | | | | |
| C61 | | QCC31CK-104 | CAPACITOR 0.1 μ F,16V | | | | |
| C62 | | QETC1CM-107 | E CAPACITOR 100 μ F,16V | | | | |
| C63 | | QETC1AM-476 | E CAPACITOR 47 μ F,10V | | | | |
| C64 | | QCC31CK-104 | CAPACITOR 0.1 μ F,16V | | | | |
| C65 | | QCC31CK-104 | CAPACITOR 0.1 μ F,16V | | | | |
| C66 | | QETC1AM-107 | E CAPACITOR 100 μ F,10V | | | | |
| C67 | | QETC1AM-107 | E CAPACITOR 100 μ F,10V | | | | |
| C68 | | QCC31CK-104 | CAPACITOR 0.1 μ F,16V | | | | |
| C69 | | QCC31CK-104 | CAPACITOR 0.1 μ F,16V | | | | |
| C70 | | QETC1AM-476 | E CAPACITOR 47 μ F,10V | | | | |
| C72 | | QETC1HM-105 | E CAPACITOR 1 μ F,50V | | | | |
| C73 | | QCC31CK-104 | CAPACITOR 0.1 μ F,16V | | | | |
| C74 | | QCC31CK-104 | CAPACITOR 0.1 μ F,16V | | | | |
| C75 | | QCC31CK-104 | CAPACITOR 0.1 μ F,16V | | | | |
| C76 | | QCC31CK-104 | CAPACITOR 0.1 μ F,16V | | | | |
| C80 | | QETC1HM-225 | E CAPACITOR 2.2 μ F,50V | | | | |
| C83 | | QCC31CK-104 | CAPACITOR 0.1 μ F,16V | | | | |
| C84 | | QETC1AM-107 | E CAPACITOR 100 μ F,10V | | | | |
| C85 | | QFN31HJ-103 | M CAPACITOR 0.01 μ F,50V | | | | |
| C86 | | QFN31HJ-103 | M CAPACITOR 0.01 μ F,50V | | | | |
| C88 | | QCS31HJ-270 | CAPACITOR 27pF,50V | | | | |
| C89 | | QCS31HJ-270 | CAPACITOR 27pF,50V | | | | |
| C99 | | QCC31CK-104 | CAPACITOR 0.1 μ F,16V | | | | |
| C100 | | QCS31HJ-180 | CAPACITOR 18pF,50V | | | | |
| C101 | | PU57672-200 | TRIMMER CAPACITOR 20pF | | | | |
| C102 | | PU57672-300 | TRIMMER CAPACITOR 30pF | | | | |
| C105 | | QCF31HP-103 | CAPACITOR 0.01 μ F,50V | | | | |
| C107 | | QCS31HJ-271 | CAPACITOR 270pF,50V | | | | |
| C108 | | QCS31HJ-680 | CAPACITOR 68pF,50V | | | | |
| C109 | | QETC1CM-107 | E CAPACITOR 100 μ F,16V | | | | |
| L1 | | PU48530-220J | COIL, \times 3 (L1, L5, L6) 22 μ H | | | | |
| L2 | | PU48530-471J | COIL 470 μ H | | | | |
| L3 | | PU48530-221J | COIL 220 μ H | | | | |
| Δ X1 | | PGZ00898 | CRYSTAL RESONATOR | | | | |
| Δ X2 | | PGZ00937 | CERAMIC FILTER | | | | |
| Δ X3 | | PGZ00937 | CERAMIC FILTER | | | | |
| Δ X5 | | PU60784 | RESONATOR | | | | |
| Δ K1 | | PGZ00354 | FERRITE BEADS, \times 3 | | | | |
| EJ1 | | PGZ00582 | EJECTOR, \times 2 | | | | |
| STK1 | | PRD30072-57 | STICKER | | | | |

JVC PROFESSIONAL PRODUCTS COMPANY
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